

NEWTON FREE LIBRARY NEWTON, MASSACHUSETTS

TABLE OF CONTENTS

Inaugural Address of the Mayor	Jan. 1, 1883
Officers of Newton City Government	1882 1883
Departmental Reports	Period Covered
Auditor	1882
Overseer of the Poor	1882
Board of Health	1882
City Marshal	1882
Water Registrar	1882
Officers of Newton City Government	1883 1884
Departmental Reports	Period Covered
Auditor	1883
Overseer of the Poor	1883
Health	1883
City Marshal	1883
Water Board	1883
School Committee	1883
Newton Free Library	1883
Fire	1883
City Engineer	1883







Digitized by the Internet Archive in 2017 with funding from Boston Public Library







N 352 N48P 1882/83 C.1

INAUGURAL ADDRESS

oF

WILLIAM P. ELLISON,

Mayor of Newton,

TO THE CITY COUNCIL,

JANUARY 1, 1883.





BOSTON:

FRANKLIN PRESS: RAND, AVERY, AND COMPANY. 1883.

R352

C.1 (1882-83)

NEWTON COLLECTION

NEWTON book

INAUGURAL ADDRESS.

The government of the city has been committed to our care for the present year by our fellow-citizens. We to-day accept this trust, and are responsible to them for a wise, judicious, and economical administration of it.

The present city government will, I think, have full as important measures, if not more so, to legislate upon than any of its predecessors: therefore to discharge faithfully the obligations you have assumed will require constant attendance at the meetings of your respective boards, and a thorough investigation of all matters presented for consideration.

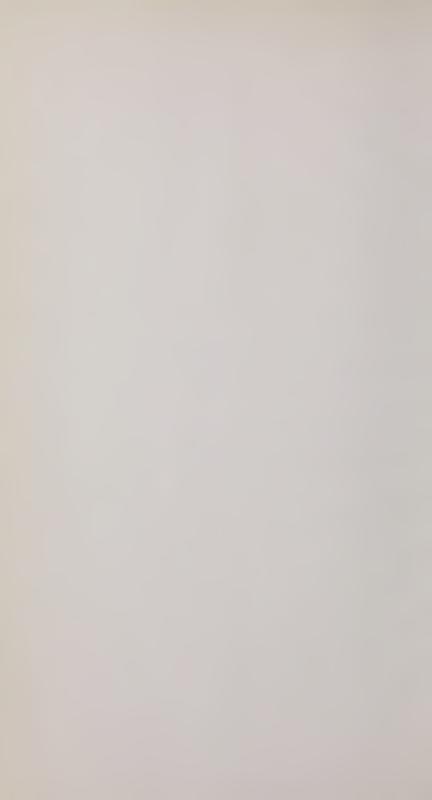
You will soon be required to make the necessary appropriation for the expenses of the present year; and again in November it will be your duty to determine the amount required for the expenses of the next municipal year, and appropriate the same. In nothing will your responsibility be greater than in the discharge of this duty.

It will undoubtedly be necessary to expend this year, and for several succeeding years, a considerable amount of money for the purpose of increasing and improving our school accommodations; besides, at no distant day a system of sewerage must be entered upon which will involve a large outlay of money. Hence the subject of appropriations demands your mature deliberation, sound judgment, and wise economy, to prevent excessive taxation. You should scrutinize very closely the estimates of every department, and particularly those which call for an increase in appropriation, as the natural tendency is to augment expenditures, although there may be no actual need. It should be the endeavor of every committee, not only to keep its expenses within the appropriation, but to expend only what is absolutely necessary.

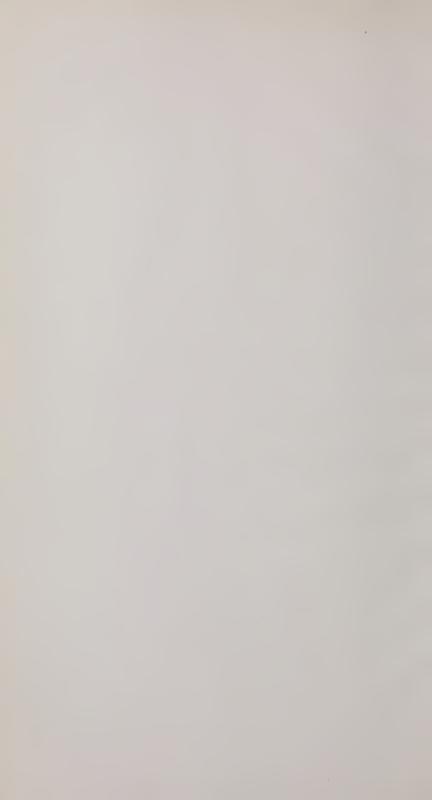
The charter provides that "no money shall be expended, and no liability of the city shall be incurred by any member of the City Council, . . . except in pursuance of an order of the City Council." It is the duty of a committee authorized to execute any work to have a sufficient sum appropriated to complete the same before entering upon it. A committee should not begin, and then ask for an additional appropriation to finish, a work.

The close of the financial and municipal year occurring upon the same day, I am unable to inform you of the expenditures of the past year.









FINANCES.

It gives me great pleasure to be able to report, that, exclusive of the amount expended for water construction account, the actual receipts from all sources, together with the taxes assessed last year, will exceed the expenses, including the sum of ninety-seven hundred dollars appropriated for schools, and the repairs of schoolhouses, which, being unexpected, were not provided for in the annual assessment of taxes. There is outstanding a temporary loan, made in anticipation of the collection of taxes, of forty-five thousand dollars; also unpaid bills for December, estimated at thirty-four thousand dollars: but the cash on hand, and uncollected taxes, considered good, are in excess of this indebtedness.

FUNDED DEBT.

The permanent debt of the city, Dec. 31, 1882, was as follows:—

Town and city notes.	•		\$323,000	00		
Accrued interest on same		•	4,228	72		
					\$327,228	72
Municipal bonds .	•	•	\$34,000	00		
Accrued interest on same		•	850	00		
					34,850	00
Water bonds	•	•	\$910,000	00		
Accrued interest on same			24,750	00		
					934,750	00

Amount brought forward					\$1,296,828	72	
Uninvested portion of the prince	ipal						
of the Kendrick Fund .	•	. \$1	,744	50			
Accrued interest on same .	•		30	19			
		-			1,774	69	
Total	•				\$1,298,603	41	
Amount of funded debt, with accrued interest, Dec.							
31, 1881	•		•	•	1,257,043	72	
Increase during the year	r .				\$41,559	69	

This increase was occasioned by the issuing of forty thousand dollars in water bonds for the extension of watermains, a house for the engineer, new foundations for the pumping-engine, etc.

SINKING FUND.

The condition of the sinking fund, Dec. 31, 1882, was as follows:—

City Debt Sinking Fund . . . \$69,280 54

Water Debt Sinking Fund . . . 103,415 38

Total \$172,695 92

Amount of sinking fund, Dec. 31, 1881 135,981 33

Increase during the year \$36,714 59

Amount of funded debt, less sinking fund, Dec. 31,

1882, was

\$1,125,907 49

In April next, forty thousand dollars of the funded debt will mature, which will be paid from the City Debt Sinking Fund.

To provide for the payment of the bonds issued last year, and as the income derived from investments has been less than was anticipated, in consequence of the low rate of interest which has prevailed the past few years, it will be necessary to appropriate \$16,000 for the Water Debt Sinking Fund, and \$20,800 for the City Debt Sinking Fund, this being an increase of \$6,800.

As the line of investments is limited by statute law, the commissioners now find it difficult to make any that will yield a large income, although heretofore over four per cent has been received. One of the commissioners, Lucius G. Pratt, Esq., before leaving for a protracted absence abroad, resigned his position upon the board.

Mr. Pratt was one of the original commissioners, and has rendered the city very valuable service. Ex-Alderman George S. Bullens was unanimously elected to fill the vacancy.

The following is a comparison of the taxable property in the city for the last two years: viz.,—

In 1881 the real estate was valued at . \$18,238,510

The personal estate was valued at . 8,169,763

$A mount\ brought\ forward$.		\$26,408,273	
Taxable value of corporate stocks.	•	2,266,576	
Taxable value of bank stocks .		933,150	
			\$29,607,999
In 1882 the real estate was valued at		\$18,930,485	
The personal estate was valued at .	•	7,405,233	
		\$26,335,718	
Taxable value of corporate stocks.	•	2,253,950	
Taxable value of bank stocks .		819,660	
			29,409,328
Decrease in taxable property	in	1882	\$198,671

The loss to the city of taxable property on account of the exemption from taxation of money loaned on mortgages of real estate under the so-called "mortgage law," which went into effect on the 1st of May last, amounts to \$1,036,050; and under the act exempting money invested in shipping, which took effect at the same time, the loss is about \$153,000.

The latter is an apparent loss only, for the tax upon it is refunded by the State. The net appropriation for the tax levy last year was less than in the preceding year; but the amount of taxes assessed was greater in consequence of an increase in the State tax. The following will give the rate of tax per thousand dollars for each year:—

			1881.		1882.
City		. \$	12.93		\$12.82
County	•		.305		.30
State	•		.765		1.08
		\$	\$14.00		\$14.20

BOARD OF HEALTH.

During the past year the general health of the citizens has been good, and the city has been remarkably free from epidemic and contagious diseases. This, I think, may be attributed largely to the use of city water superseding in many instances that drawn from wells, also to the greater attention that has been given to the sanitary condition of our dwellings. The Board of Health has recently instructed the City Engineer to cause all buildings in process of erection to be inspected, to see that the rules of the board respecting sewerage are complied with.

CITY CHARTER.

We enter upon the discharge of our duties to-day under a new charter, enacted by the last Legislature, and accepted by the voters of the city at the State election in November. This charter is brief, clear, and logical in its arrangement. It corrects the inconsistencies of the old, and contains many valuable provisions which can be found in no other charter. It provides that the tenure of office shall be during good behavior of nearly all of the city officers, thus taking an advanced position on the question of civil-service reform. It requires that appropriations shall be made in November for the following year; and, when made, that they shall not be increased or exceeded, except by a two-thirds vote of all of the members of each branch. This I consider one of the most important features of the charter. Beside the benefit derived from ten months' experience in the city government, which will enable members to act more intelligently, the nearness of a municipal election will serve as a check upon extravagant appropriations.

It provides that no money shall be expended, and no liability of the city shall be incurred by any member of the City Council or any board or officer of the city, except in pursuance of an order of the City Council. It gives to the City Council exclusive power as to highways (thus excluding the county commissioners), also the power as to streets, sidewalks, drains, and sewers, heretofore vested in the Mayor and Aldermen.

It gives more power to the Mayor, making him in practice what he has heretofore been in theory only,—the chief executive officer of the city.

He may suspend any officer, and temporarily any work or payment, and may veto a part of any order of the City Council. For the School Committee to expend any money, the same vote is required as for the City Council to pass an order over the Mayor's veto; viz., two-thirds of the members present and voting.

The ordinances have been revised to conform to the charter, and have been so essentially changed that it is important that they should be carefully studied by the members of former City Councils now again serving, as well as by those who have never before served.

CITY ENGINEER.

The demands made upon the City Engineer are so numerous that this department is kept constantly employed, and they are so varied that the requests cannot always be readily complied with.

It is very important that a complete topographical survey of the city should be made, and sectional plans prepared, in order to intelligently arrange for future improvements. This work is being done as rapidly as other duties and the appropriation of the City Council will admit.

Although it was found to be impracticable for the city to control the laying-out of new streets, many of the property owners have consulted with the City Engineer as to the establishment of lines and grades, in order that the work might serve the best interests of the city. At some time the city will be asked to accept the new streets which are constantly being built. It is important that they should be properly laid out. I would therefore recommend that the City Engineer be allowed to either make or assist in making the surveys for new streets, whenever, in his judgment, it is for the interests of the city that he should do so.

CLAFLIN GUARDS.

This company, justly the pride of our citizens, is in a flourishing condition. Under its present efficient commander, its ranks have been filled to the maximum allowed by law.

The members are interested in performing all the duties pertaining to the soldier, and are attaining a proficiency which will soon enable the company to rank among the best in the militia.

The armory is too small for the successful manœuvring of a full company; and, if at any time the City Council should decide to build a drill-shed for the High-School Battalion, it might be advisable to arrange for a joint occupancy.

DRAINS AND SEWERS.

Several important drains were constructed last year, and others will be required during the present year.

The necessity for sewerage is each year becoming more imperative, particularly in the northerly wards of the city; but, unfortunately, the problem of how to dispose of the sewage-matter still remains unsolved.

The system of sewerage recommended by the sewerage commission provides for the discharge of the sewage-matter into Charles River opposite the arsenal. Power to thus dispose of it was granted to the city by the Legislature of 1877. The most serious objection to this plan, in my opinion, is the possibility of creating a public nuisance by so doing, which was by the same act prohibited. The commissioners and their engineer are sanguine that such would not be the case for many years, if ever; but, should it prove to be so, the city would have expended a large amount of money in constructing sewers, and no outlet would exist for them to discharge the matter which would pass through them.

The commission appointed by the Governor in 1881 to prepare a plan for draining the Mystic and Charles River valleys, which included Newton, reported to the last Legislature a plan so uncertain as to its successful working, and attended with such great expense, that it was not adopted. No action has since been taken by the Legislature. At that time it was suggested that the various cities and towns surrounding Boston which needed sewerage systems should unite, and appoint a commission

to make such surveys and prepare such plans as would be required to enable scientific engineers to act intelligently. This having been done, it was further suggested that a prize of sufficient amount to induce competition be offered for the best plan for a system of sewerage, in this way securing the services of the most experienced engineers of the world. This suggestion was not adopted; but in a modified form I could approve of it.

Until a system of sewerage is adopted, partial relief may be obtained by requiring householders to construct water-tight cesspools for the reception of the sewage-matter, these to be emptied by the city, the actual cost to be assessed to the owner. This work could be performed at small expense, and, if odorless machines are employed, without annoyance to the public.

The subject of sewerage, in my judgment, is the most important one you will have before you for consideration; and for it I ask your careful attention. I hope you may be able to devise some scheme for successfully disposing of the sewage-matter, though I confess my inability to recommend any satisfactory plan.

An act of the Legislature of 1878 gives to the city the power to establish grade-lines for drainage and sewerage, and to require all persons constructing cellars to conform to the same. No action has as yet been taken by the city to exercise its authority in this respect; but as houses

are constantly being erected, the drainage of which must ultimately be provided for by sewers, it may be advisable, to prevent expense in the future, for the City Council to adopt so much of the plan recommended by the sewerage commission as may be necessary to enable grade-lines to be established. If this is done, all those constructing cellars should be obliged to conform to the lines.

FIRE DEPARTMENT.

That we have a most efficient fire department has been generally believed: but to what extent it could be relied upon in case of an emergency requiring the services of the entire department, the citizens until recently had no assurance; Newton, fortunately, having been exempt for many years from any serious conflagration, owing largely, no doubt, to the skill of the department.

Several of the villages are becoming so thickly filled with wooden buildings, that many are apprehensive that a large fire will some time occur. In order that it might be known how quickly the department would respond in such an emergency, a test was made last June. Without previous warning, three alarms (which calls out the whole department) were given, each following the other so rapidly, that members had no time to assemble at the houses, and prepare for leaving. The result was most gratifying. Every member responded promptly, with the

apparatus ready for service, thus showing to what a high degree of discipline the department has attained, and that it can be depended upon in case of actual need. Some portion of the department responded to fifty-eight alarms the past year, — a decrease of twenty from the previous year.

The losses by fire were .	•	•		•	\$31,438	00
Insurance paid on same .	•		•		24,433	20
Total insurance on same					231,800	00

The apparatus is generally in good condition. Steamer No 3, and some of the reels, possibly may require repairs. It will be necessary to purchase some additional hose during the present year to replace that which has been condemned.

The fire and highway departments were unfortunate last summer in suffering from a serious epidemic, which broke out among the horses in the stable of steamer No. 1, and which extended to those in the stable of steamer No. 2, resulting in the death of several, and adding considerably to the expenses of both departments.

Nearly all of the houses and stables of the fire department were repaired, painted, and partially refurnished last year; the stable of steamer No. 1 being extensively repaired, and its sanitary condition improved. Twelve hydrants were placed upon old, and seventeen upon new

mains. Five signal-boxes were also added to the fire-alarm circuit. The Chief Engineer recommends the increase of the permanent force by adding drivers for the various hose-reels. At present these are dependent upon callmen, who may not respond so promptly as if the drivers were constantly employed. He renews his recommendation for a chemical engine, and that the police station should be removed from steamer No. 1 house. He recommends that steam-heating apparatus should be substituted for furnaces in all the city buildings; that fire-alarm signal-stations should be placed in the schoolhouses; that a competent officer be appointed as building inspector; that there be additional fire-alarm stations; and that more hydrants be placed upon old mains. His reasons for these recommendations are given in his annual report, which will soon be presented, and to which I ask your careful consideration.

HIGHWAYS.

The general work upon the highways last year included the thorough macadamizing and rolling with the steamroller of several of the principal streets. Each year some of those most travelled should receive the same treatment, until all are brought into such a condition that it will require but a small outlay in the future to keep them in repair. The widenings and improvements were confined to a few streets where either work had previously been commenced, or public necessity required immediate action. This policy should prevail during the present year. The steam-roller continues its work with good results. The streets have begun to show the benefit of its use; and that they can be made and repaired with it more economically has already been sufficiently demonstrated.

The work not being sufficient to keep the roller constantly employed, I would suggest that an arrangement mutually beneficial might be made with some of the adjacent towns to hire it when not needed here, the engineer of course to accompany it.

Last spring a new stone-crusher and screens for separating the different sizes of broken stone were purchased. These have worked very satisfactorily. The city is well supplied with gravel: therefore it will be unnecessary at present to purchase any additional land for that purpose, unless some very favorable opportunity should arise whereby land can be secured for future wants at a low price. Care should be taken that the gravel is not removed to such an extent as to ruin land for building purposes.

POLICE DEPARTMENT.

The members of the department generally have performed their duties very satisfactorily. I desire especially to compliment them for the zeal manifested in the enforce-









ment of the law prohibiting the sale of intoxicating liquors. Every month in the year some complaints for violations of the law were made by them, thus testifying to their constant vigilance.

Through their efforts the traffic in liquor has been as nearly suppressed as it probably can be. If sold at all, it is only in a very secret manner, and in small quantities.

The recommendation of the City Marshal of last year, for an additional patrolman to be stationed in Ward Six, is renewed. He also requests the appointment of two additional men, without stations, for special work, and to fill vacancies when required. The honorable judge of the police court petitioned the last Board of Aldermen for the appointment of additional men. His official position gives him excellent opportunities of judging of the necessity which exists.

Frequently during the past year special service has been required in the city: this at times has been obliged to be neglected for lack of officers. It has also been necessary to send to other places in search of criminals. Our present entire force consists of but sixteen men, all of whom, with the exception of the chief, have stations assigned them: consequently it has been necessary either to demand extra service of the members, thus leaving their stations unprotected, or employ special officers. The latter is done whenever possible; but a member of the

regular force is of much more value. I therefore indorse the recommendation of the City Marshal.

THE POOR.

The almshouse continues under the same successful management as in the previous year. Extensive additions and repairs, including the introduction of steam-heating apparatus, were made during the summer, by which the health and comfort of the inmates have been better provided for than it was possible before in its crowded condition. Many who have heretofore been obliged to be kept outside, and some mildly insane patients who were boarded at State hospitals, are now accommodated at the almshouse at much less expense. If it were not for the house upon the land adjoining the almshouse, the city would have been at considerable expense in providing accommodation for a small-pox patient last spring. The unfortunate who receive partial support from the city have not increased, owing to the continued demand for labor.

The gentlemen overseers in charge of this department, in a quiet and unostentatious manner, are rendering valuable service to the city. To detect imposition, and not deny the worthy poor all the aid they should receive in justice to the taxpayers, requires nice discrimination and wise judgment. These qualifications, together with

kindly hearts, the present overseers possess in a large degree.

THE PUBLIC LIBRARY.

The library continues to increase in usefulness, the circulation being larger each year.

The arrangements for the daily distribution of books in the different wards of the city have been so excellent that no complaints have been made. The expense of this distribution, and the additional clerical force required by it, have prevented the purchase of the usual number of books. Those bought have been carefully selected, and are largely of a substantial character, although the interest of the children has not been overlooked. It is gratifying to be able to announce that the demand is constantly increasing for books of a higher grade, and for works of science and art, as this is an indication of the value of the library as an educator.

The reading-room is much frequented, and is being used more each year by those from other wards. To enable the trustees to continue the daily delivery of books and to purchase the usual number will require an additional appropriation of seven hundred dollars, which I recommend to your favorable consideration. It should be remembered that the services of the superintendent are gratuitous.

The generous donations which have been made, and to which the past year has been added another handsome gift for the purchase of books, I hope will remind our benevolent and wealthy citizens that no more valuable bequest can be made than to the library.

PUBLIC PARKS.

The City Council now have the power to take land for public parks, the act of the Legislature enabling it to do so having been accepted by the voters at the election held last November. The large majority by which this act was accepted is an indication of the desire of the citizens that this should be done.

I am credibly informed that the experience of other cities has been, that the revenue derived by the city from the enhanced value of property in the vicinity of parks has been more than the expense of laying out and maintaining them. I am confident that such an investment will prove equally remunerative to us. If, in addition to the material advantages which Newton already possesses as a place of residence, we render it more attractive with parks and in other ways, many will be induced to make it their home, and with their wealth assist in paying our expenses.

The necessity for parks is prospective rather than present; but wisdom dictates that the land for them should be secured while it is available, and of little value, rather than to wait until the city has become so thickly populated that parks are a necessity which must be supplied at a great cost.

Many of the villages are already quite thickly settled; and, with the greatly increased railroad facilities which will soon be provided, undoubtedly the growth of the city will be much more rapid in the future than in the past: therefore, if parks are to be established in each ward, the land should be secured before it is otherwise occupied. A munificent gift is already waiting the acceptance of the city; and I hope there may be other wealthy citizens in the various wards who will also donate land for this purpose. Even if there are not, the cost of the land will not be great, and should be paid for by a long loan, which could be negotiated at a low rate of interest, so that the amount to be assessed each year for interest and sinking fund will be very small. If the land is secured, the improvement of it should be gradual, extending through a series of years, so that the expense of any one year shall not be excessive.

I recommend that the City Council accept the gift of land for a park in Ward Seven, which has been so generously tendered; also that a joint standing committee on parks be appointed, whose duty it shall be, under the direction of the City Council, to comply with the condi-

tions imposed by the donor, and also to endeavor to secure by gift, purchase, or by both, suitable lots of land in other wards.

PUBLIC SCHOOLS.

The largest appropriation you will be required to make for any department will be for the support of the schools. This will be expended by a board entirely distinct from the City Council, and responsible only to the citizens. This board is composed of ladies and gentlemen eminently qualified for the position, and who have in the past conscientiously, and with great ability, discharged the important trust committed to them.

The expense of our school system must necessarily increase with the constant growth of the schools (the number of pupils this year being two hundred and nine more than last); but it will be cheerfully borne, provided the money is expended as judiciously and economically in the future as it has been in the past.

The cost *per capita* is greater than in some other places, because the population is more scattered; but, as the city grows, this will be remedied.

The superintendent has proved a valuable acquisition to the School Board. The schools are well attended, and excellent work is being done by faithful teachers. The board have under consideration the question of introducing in the grammar schools instruction in plain sewing. The experience in Boston proves that this can be done without deranging or curtailing the present course of study. I think so much, at least, of industrial education can be wisely assumed by the city as sound public policy, and as only a legitimate care for the comfort of the home, and a regard for the well-being of the girls.

There is need of additional accommodation for pupils. The number already is sufficient to fill the present seating capacity were the pupils so distributed as to render it all available. The last schoolhouse was erected in 1873: since then the only addition to the school accommodations has been the enlargement of the high-school building.

The following is a comparison of the number of scholars attending the public schools in September, 1872, and 1882:—

1872.					1882.							
Newton Centre	•	•	•	•	264	Mason : Thompsonville Hyde			$ \begin{array}{c} 426 \\ 27 \\ 179 \end{array} \left.\begin{array}{c} 632 \end{array} $			
Upper Falls .					220				246			
Lower Falls .				•	120				126			
Auburndale .			•	•	162				281			
						Pierce Davis			185 7			
West Newton					421	Davis			206 > 579			
						Franklin			188			

Newtonville	1872.	1882.
Newton	Newtonville 390	Claffin
2,017 3,134	Newton 399	Underwood 178 \ 520
·	Oak Hill 46	35
2,148 3,440	High	306

A demand of the State Inspector of Buildings for additional stairs in the Hyde and Prospect schoolhouses has been complied with at considerable expense.

The sanitary condition of some, and the ventilation of all, of the schoolhouses require attention. At the present time the Claffin School is being very thoroughly improved in both of these respects, and the Pierce School as to the former. The School Committee has been unjustly censured by some for the condition of the schoolhouses. The City Council alone has the control of the alteration and repair of these buildings; and the responsibility for whatever defects may exist rests entirely with it.

The board, by sending in 1880 a communication to the City Council asking for the improvement of the sanitary condition of the schoolhouses, performed its whole duty in that matter; and whatever blame for inaction there may be attaches to the City Council, and not to the School Board.

In November last, a joint committee, composed of a committee of the City Council, a committee of the School Board, the City Engineer, and the Health Officer, was appointed to critically examine the various school-buildings, and report upon their condition, with recommendations for correcting any defects that might be discovered. This committee was also instructed to report upon the necessity for increased school accommodations, with the estimated expense of supplying what might in its judgment be required.

This committee, through no fault of its members from the School Board, the City Engineer, and the Health Officers, has not yet submitted its report.

As I relied upon the committee to perform its duty, I did not investigate either of these subjects as I otherwise should have done, and am therefore not prepared to make any recommendations.

The health of our children is paramount to all else, and every means should be employed to preserve it.

If it is necessary for this purpose to expend any money, even a large amount, it will be readily granted by the taxpayers; but, before appropriating any, you should be well satisfied that the necessity really exists, that the proposed remedy will prove effectual, and that it is the best and most economical manner of attaining the desired result. To do this requires patient investigation, sound judgment, and mature deliberation.

STREET LIGHTS.

During the past year the number of street lights has been increased by the addition of thirty-six naphtha and five gas lamps. The cost of a lamp is small; but the expense of maintaining it amounts to a considerable sum in a series of years. This should be remembered when acting upon petitions, as the lighting of a lamp once erected will not be discontinued.

WATER DEPARTMENT.

The demand for new mains was exceptionally large last year. There was laid 14,246 feet, making a total of nearly sixty-five miles; 169 services were put in. The total services number 2,581.

The length of main pipe laid was about 3,850 feet more, and the number of services put in 97 less, than during the previous year. The income for the use of water was about \$42,200, an increase of \$5,200.

During the year a house has been built near the pumping-station for the engineer and fireman, thus affording better protection than could be rendered by the watchman, who has since been discharged.

A new foundation for the pumping-engine has been put in, and the placing of the engine upon it is nearly completed. When this has been done, and the contemplated repairs to the pump-well have been made, I am confident no more trouble will be experienced.

Owing to the large consumption of water during the drought of last summer, it was deemed expedient to increase the supply. This was successfully done by driving seventeen two-inch pipes in the filter-basin.

These driven wells show that a large flow of water can be obtained from a water-bearing strata of gravel about twenty-five feet below the bottom of the basin. When ever an additional supply of water is necessary, it should be obtained by extending the basin with a series of wells driven to this depth.

It appears altogether improbable that the necessity will arise for laying many new mains during the present year, or that any extraordinary expenditures will be required: therefore the outlay for construction should be less than in any previous year.

Newton is no longer singular, among the many places in the State having water-works, in giving the management of them to a committee, rather than to a continuous board, the last City Council having very wisely established a Water Board. I have expressed my views fully upon this subject in the past; and I will therefore merely say that I am confident better results will be obtained from the department in the future than could be possible under the management of a committee, although in the last year the city has been fortunate in having a water committee composed of men of exceptional ability, who have, as the results show, given their time and attention freely to the duty intrusted to them.

In my address of last year I stated, "that a careful study should be made of the future requirements of the territory through which new mains may be laid, to determine the proper size and location; and that a uniform system relating to the placing of hydrants and gates should be adopted." The placing of service-boxes on a level with the surface of the ground is a constant source of danger: either the earth is liable to be washed away, leaving a portion of them exposed, or the action of the frost cause them to project above the ground. In consequence of this, in two instances, injuries have been sustained.

In concrete walks the top should be just below the surface; and when in the earth they should be buried several inches, a mark being placed upon the fence opposite to locate their position, as is the custom with gates.

These matters are of the utmost importance, and should





receive, as I presume they will, the immediate attention of the board.

In the enforcement of the prohibitory law during the past year, the police and myself have been greatly encouraged by the hearty support received from the anti-license committee. I have frequently consulted with a sub-committee of that body appointed for the purpose, and have received from it wise counsel and willing assistance. As the electors have again decided by an almost unanimous vote, that licenses should not be granted to sell intoxicating liquors, except to apothecaries to sell for medicinal, mechanical, and chemical purposes only, I shall endeavor to faithfully execute the law prohibiting the sale of liquors, as well as all other laws of the State, and hope I may receive from the committee the same cordial co-operation.

The city will undoubtedly receive during the present year the handsome bequest of an esteemed citizen recently deceased, the income of which is to be expended for various benevolent purposes.

In conclusion, I wish to impress upon you the great necessity which exists for a wise economy in the appropriation of money. It is possible that extraordinary expenditures may be required; but, whether they are or not, every request for money should receive careful and deliberate consideration. Avoid hasty legislation. If you are not fully informed upon any subject that may be introduced, ask for a reasonable delay that you may have time to investigate it. Legislate for the public, and not for private good. Test every proposed order by the question, "Does public necessity require it?" If not, then the order should fail.

If we are faithful in the discharge of our duties, the welfare of the city will be promoted; if we neglect them, it will be injured. Let us, then, each resolve to give liberally of our time, our thoughts and abilities, to the service upon which we have this day entered, so that at the close of the year, when we surrender our trusts to others, we may have the satisfaction of knowing that we have conscientiously performed our duty, and that whatever errors we may have committed have been of the always possible errors of judgment of the head, and not of the heart.

AUDITOR'S ANNUAL REPORT

OF THE

FINANCES

OF THE

CITY OF NEWTON

For the Year Ending December 31, 1882,

TOGETHER WITH

THE REPORT OF THE OVERSEERS OF THE POOR, THE HEALTH OFFICER, AND THE CITY MARSHAL.

No. CCIV.



NEWTON:
PRINTED AT THE OFFICE OF THE GRAPHIC.
1883.



CONTENTS.

City Government, 1882, .									vii+xi
City Government, 1883, .									xii-xx
Auditor's Report,									1
City Treasurer's Account,.									3-6
Report of Committee on Fina	ance,								6-7
Liabilities,									7-8
Assets and Recapitulation,									8-10
Receipts,									10-12
Expenses,									12-13
Table showing Appropriation	ns, T	ransf	ers, N	Iayo	r's W	arra	nts, e	tc.,	14-15
Table showing Permanent De	ebt,								16
Statement of Kenrick Fund,									17
Taxes and Taxable Valuation	١, .								17-18
Ledger Balances,									18
Report of Commissioners of S									19-20
Detailed Statement of Receip	ts an	d Ex	pendi	tures	s, .				20-94
		RECE	EIPTS.						
Almshouse,									20
Armory,									21
City Hall,									21
Corporation Tax,									21
Curbing and Concrete, .									21
Dog Tax,									21
Druggists' License Fees, .									21
Fire Department,									21-22
Funded Debt, Water Bonds,									22
Highway Department, .									22
Indigent Soldiers and Sailors	, .								22
Interest on Deposits,									22
Interest on Taxes,									23
Interest on Water Bonds, .		.*							23
Kenrick Fund Income, .									23
Miscellaneous,									23
Newton Free Library, .							= .		24

CONTENTS.

National Bank Tax, .	•			•	•	•	•	•	•	•		24
Police Department, .											. '	24
Poor out of Almshouse	, .											24 - 25
Public Property,												26
Public Property, . Record and other Fees,	, .											26
Ships Engaged in Fore	ign T	rade	е,									27
State Aid,												27
State Aid, School Incidentals, .		٠.										27
Suspense Account, .												27
Taxes, 1877 to 1882, .												27 - 28
Temporary Loans, .												29
Tuition for Non-Reside	ent P	upils	,									29
United States Street L	ightii	ng C	0.,									29
Water Construction, .												94
Water Meters and Serv	vice 1	Pipe.	,									29
Water Rates,												29
			EXPI	ENDI'.	ΓURE	S.						
Almshouse,												30-32
Armory,		٠.										32
Books, Stationery and	Prin	ting,										33
Board of Health,												34
Burial Grounds,												35
Conveyance of Pupils,												35
Conveyance of Pupils, Curbing,												35
City Hall,												35-36
City Engineer's Depart	tment	, .										36-37
Drains and Culverts, .												37-38
Evening Schools, .												38-39
Fire Department, .												39-48
Gravel Land,												48
Highways, General Re	pairs	,										48-54
Highways, Widening a	and I	lmpi	ovei	ments	٠,							54
Improvement on Publi	c Squ	iare:	s,									54
Interest on City Loans	, .		,									54-55
Interest on Water Bon												55
Indigent Soldiers and												55
Industrial and Mechan												56
Kenrick Fund Income	, .		• .									23
Land Damages,												56
Memorial Day,												56
Miscellaneous Expense	es, .											56-62
Newton Free Library, Police Department, .												62-64
Police Department, .	٠.										-	64-67
Poor out of Almshouse	e, .											67-70
Public Property,												71-74

CONTENTS. v

Removal of Ashes,									74
Salaries,									75
Schools-General Appropriation	n for,								75-81
Schools—Incidentals,									81-84
Sidewalks,									84
Sinking Fund, City Debt,									84
Sinking Fund, Water Bonds, .									85
Street Light Department,									85
State Aid,									86
Taxes-State, County, National	Bank	c, Cor	porat	ion,					86-67
Temporary Loans,									87
Use of Hydrants,									87
Water Maintenance,									87-89
Water Meters and Service Pipe									90-91
Water Construction,	•	•	٠	•	•	•	•	•	91-94
-		***************************************							
Schedule of City Property, Rea	l and	Perso	nal,						94-99
Table showing the Number of I	Polls,	Real	and I	ersoi	nal Es	tate,	etc.,		100
Table showing Amount Paid f	or Su								444
from 1851 to 1882, inclusive	€, .	•	•	•	٠	•	•	٠	101
Salaries of City Officers, 1883,	•	•	•	•	•	•	•	1	01-104
Births, Marriages and Deaths,		•	•	•	•	•	•	٠	105
Report of Overseers of the Poo	r, .	•	•	•	•	•	•		07-113
Report of Health Officer, .							•		15–119
Report of City Marchal								1	91_197



OFFICERS

OF THE

NEWTON CITY GOVERNMENT.

1882.

MAYOR.
WILLIAM P. ELLISON.

BOARD OF ALDERMEN.

J. WESLEY KIMBALL, President.

WARD ONE.

EDWARD W. CATE.

WARD THREE.

GEORGE E. ALLEN.

WARD FIVE.

JAMES R. DEANE.

WARD TWO.

J. WESLEY KIMBALL

WARD FOUR.

CHARLES C. BURR.

WARD SIX.

EDWARD B. BOWEN.*

WARD SEVEN.

JOHN Q. HENRY.

COMMON COUNCIL.

EDWIN W. GAY, President.

WARD ONE.

IRA S. FRANKLIN.

WILLARD G. BRACKETT.

WARD THREE.

WILLIAM DIX.

FRED. W. FREEMAN.

WARD TWO.

AUSTIN R. MITCHELL.

PRESCOTT C. BRIDGHAM.

WARD FOUR.

DAVID T. BUNKER.

ALFRED PILLSBURY, JR.

^{*} Deceased October 15.

WARD FIVE.
ALSON A. SMITH.
MELVIN W. GOULD.

WARD SIX.
WILLIAM B. YOUNG.
EDWARD H. MASON.

WARD SEVEN.

EDWIN W. GAY.

JESSE F. FRISBIE.

Clerk of Common Council.
HOSEA HYDE.* ALBERT S

ALBERT S. GLOVER.†

City Treasurer and Collector of Taxes.

JOHN A. KENRICK.

Deputy Collector. FRANCIS M. TROWBRIDGE.

City Clerk and Clerk of Board of Aldermen. EDWIN O. CHILDS.

City Auditor and Clerk of Committees.
BENJAMIN F. OTIS.

City Solicitor.
WINFIELD S. SLOCUM.

City Engineer.
ALBERT F. NOYES.

Superintendent of Streets. WILLIAM E. FULLER.

Water Registrar.
ALBERT S. GLOVER.

Superintendent of Water Works. H. N. HYDE, Jr.

Health Officer.
NATHAN MOSMAN.

City Messenger.
JOSEPH D. WELLINGTON.

^{*} Resigned September 11.

[†] Elected to fill vacancy September 25.

ASSESSORS' DEPARTMENT.

Assessors.

ISAAC HAGAR, Chairman,		Term (expires	January, 18	83.
HOWARD B. COFFIN, Secretary,		"	+6	" 18	84.
SAMUEL M. JACKSON,		66	46	" 18	85.

Assistant Assessors.—Elected Annually.

	· · · · · · · · · · · · · · · · · · ·
Ward 1.—ORRIN WHIPPLE.*	Ward 4.—RUFUS MOULTON.
" 2.—JOSEPH WALKER.	" 5.—S. N. WOODWARD.
" 3.—OSCAR F. LUCAS.	" 6.—GEORGE WARREN.
*** ** ***	37 377 4 71 3 7 3 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1

Ward 7.—JOHN WARNER.

SCHOOL COMMITTEE.

Hon. WILLIAM P. ELLISON, Mayor, Chairman. ex officio. EDWIN W. GAY, President Common Council, ex officio. REV. AMOS E. LAWRENCE, Chairman. ISAAC HAGAR, Secretary. JOHN E. KIMBALL, Superintendent.

	ELECTIVE MEMBERS.			P	RES	ENT TERM	of O	FFICE.
Ward	1.—EDMUND W. CONVE	RSI	₹,			Expires J	anuary	, 1883.
	CHARLES H. STONE,					66	"	1883.
44	2.—E. FRANK HOWE,†					66	66	1883.
	A. AMELIA SMEAD,					46	66	1883.
66	3.—JULIUS L. CLARKE,					44	6.6	1885.
	ELIJAH W. WOOD,					46	"	1885.
4.6	4.—WILLIAM S. SMITH,					66	66	1885.
	ISAAC HAGAR, .					66	"	1885.
66	5.—JOHN A. GOULD, .					44	"	1884.
	EDWIN P. SEAVER,					66	"	1884.
66	6.—EMILY W. HYDE,					46	66	1884.
	AMOS E. LAWRENCE	Ξ,				44	66	1884.
44	7.—GEORGE W. SHINN,					"	"	1884.
	LINCOLN R. STONE,					"	"	1885.

^{*} Deceased April 9. Dexter Whipple elected to fill vacancy May 5. † Resigned November 6. John W. Dickinson elected to fill vacancy November 20.

POOR DEPARTMENT.

Board of Overseers.

THE MAYOR, ex officio, Chairman.

Ward 1.—CHARLES F. RAND.

Ward 4.—NATHAN MOSMAN

- " 2.—OLIVER B. LEAVITT.
- " 5.—HOSEA C. HOYT.
- " 3.—OSCAR F. LUCAS.
- " 6.—GEORGE WARREN.

Ward 7.—JOHN WARNER.

NATHAN MOSMAN, Clerk of Board. NATHAN MOSMAN, City Almoner. NATHANIEL D. MOODY, Warden of Alushouse.

FIRE DEPARTMENT.

HENRY L. BIXBY, Chief Engineer. WILLIAM BEMIS, Assistant Engineer.

TRUSTEES OF PUBLIC LIBRARY.

From the Board of Aldermen. CHARLES C. BURR.

From the Common Council. ALSON A. SMITH.

At Large.

JOHN S. FARLOW. B. K. PIERCE. WILLIAM CLAFLIN.

A. LAWRENCE EDMANDS.

JULIUS L. CLARKE.

JOHN S. FARLOW, President. B. K. PIERCE, Superintendent. HANNAH P. JAMES, Librarian.

POLICE DEPARTMENT.

REVILO L. HINDS, City Marshal. CHARLES F. RICHARDSON, Sergeaut of Police.

Police Officers.

JAMES D. HENTHORN.
WILLIAM C. EMERSON.
NOAH F. BOSWORTH.
GEORGE E. F. BAKER.
CHARLES O. DAVIS.
EDSON C. HOLMES.
JOHN RYAN.

CHARLES P. HEUSTIS. ROBERT S. HARRISON. CHARLES E. DAVIS. GEORGE H. MARSH.* CHARLES S. BOOTHBY.† FRANK B. FLETCHER. JOHN PERCILL.

WARD OFFICERS.

WARD ONE.

Warden, J. Edward Hills; Clerk, Frederick W. Stevens; Inspectors, Dexter Whipple, Herbert F. Bent, Albert P. Bugbee.

WARD TWO.

Warden, George E. Bridges; Clerk, Willard S. Higgins; Inspectors, Henry P. Dearborn, Lawrence H. Cranitch, James D. Billings.

WARD THREE.

Warden, George H. Ingraham; Clerk, Daniel Carr, Jr.; Inspectors, George D. Dix, Harvey C. Wood, Richard A. Carroll.

WARD FOUR.

Warden, Bernard Early; Clerk, Henry H. Mather; Inspectors, George W. Chamberlain, G. Lyman Snow, Francis M. Tyler.

WARD FIVE.

Warden, Albert J. Grover; Clerk, Horace A. Clark; Inspectors, Edmund G. Pond, John W. Howe, Horace H. Easterbrook.

WARD SIX.

Warden, Samuel M. Jackson; Clerk, John Lowell, Jr.; Inspectors, Stillman C. Spaulding, Edward A. Ellis, Robert R. Bishop, Jr.

WARD SEVEN.

Warden, Charles W. Bassett; Clerk, Francis M. Trowbridge; Inspectors, Edward B. Hitchcock, Fred. W. Webber, Fred. L. Claffin.

^{*} Removed April 1. Rufus H. Moulton appointed to fill vacancy May 1. † Resigned August 29. W. G. Bosworth appointed to fill vacancy October 23.

OFFICERS

OF THE

NEWTON CITY GOVERNMENT.

1883.

MAYOR.

WILLIAM P. ELLISON.

BOARD OF ALDERMEN.

J. WESLEY KIMBALL, President.

WARD ONE.

EDWARD W. CATE.*

WARD THREE.

ELIJAH W. WOOD.

WARD FIVE.

JAMES R. DEANE.

WARD TWO.

J. WESLEY KIMBALL

WARD FOUR.

DAVID T. BUNKER.

WARD SIX.

DWIGHT CHESTER.

WARD SEVEN.

JOHN Q. HENRY.

COMMON COUNCIL.

EDWIN W. GAY, President.

WARD ONE.

IRA S. FRANKLIN.

WILLARD G. BRACKETT.

WARD THREE.

FRED. W. FREEMAN.

JAMES H. NICKERSON.

WARD TWO.

AUSTIN R. MITCHELL.
PRESCOTT C. BRIDGHAM.

WARD FOUR.

LUTHER E. LELAND.

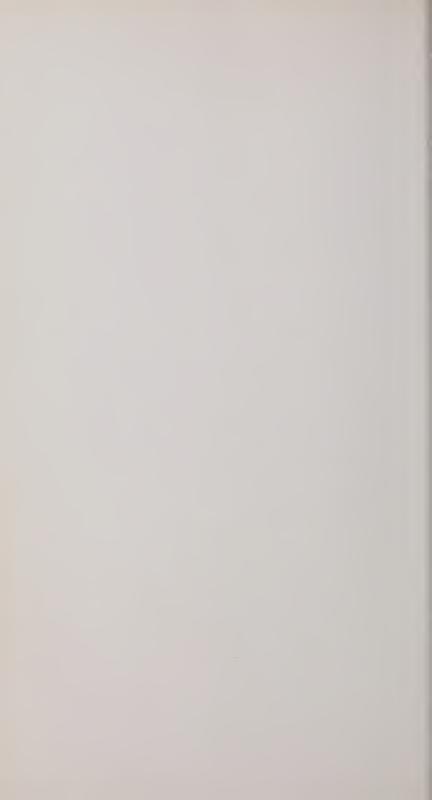
HENRY A. THORNDIKE.

^{*} Resigned January 1. Henry E. Cobb elected to fill vacancy January 15.









WARD FIVE, WILLIAM PIERCE, EBEN THOMPSON. WARD SIX. WILLIAM B. YOUNG.

EDWARD H. MASON.

WARD SEVEN.

EDWIN W. GAY.

SAMUEL L. POWERS.

Clerk of Common Council.
ALBERT S. GLOVER.

City Treasurer and Collector of Taxes.

JOHN A. KENRICK.

Deputy Collector.

FRANCIS M. TROWBRIDGE.*

MOSES CLARK, Jr.†

City Clerk and Clerk of Board of Aldermen.

EDWIN O. CHILDS.‡ ISAAC F. KINGSBURY.§

City Auditor and Clerk of Committees.

BENJAMIN F. OTIS.

City Solicitor.
WINFIELD S. SLOCUM.

City Engineer.
ALBERT F. NOYES.

Superintendent of Streets. WILLIAM E. FULLER.

Water Registrar.
ALBERT S. GLOVER.

Superintendent of Water Works.
II. N. HYDE, JR.

Health Officer.
NATHAN MOSMAN.

City Messenger.
JOSEPH D. WELLINGTON.

^{*} Deceased January 28, ‡ Resigned March 19.

[†] Appointed to fill vacancy February 5. § Elected to fill vacancy March 26.

ASSESSORS' DEPARTMENT.

Assessors.

ISAAC HAGAR, Chairman,		Term	expires	January,	1886.
HOWARD B. COFFIN, Secretary,		46	"	66	1884
SAMUEL M. JACKSON,		""	66	"	1885.

Assistant Assessors.—Elected Annually.

Ward	1.—DEXTER W	HIPPLE.	Ward	4.—RUFU	S MOULTON.
"	2.—JOSEPH WA	ALKER.	"	5.—S. N.	WOODWARD.
"	3.—OSCAR F. 1	JUCAS.		6.—GEORG	GE WARREN.
	,	Would TOHN	117 (1)	V: 15 D	

SCHOOL COMMITTEE.

HON. WILLIAM P. ELLISON, Mayor, Chairman, ex officio. EDWIN W. GAY, President Common Council, ex officio. REV. AMOS E. LAWRENCE, Chairman. ISAAC HAGAR, Secretary. JOHN E. KIMBALL, Superintendent.

	Tanaman Marana			D		0	
	ELECTIVE MEMBERS.			PRES	ENT LERY	d OF O	FFICE.
Ward	1.—EDMUND W. CONVERSE,	,		٠.	Expires J	anuary	, 1886.
	CHARLES H. STONE, .				"	66	1886.
66	2.—JOHN W. DICKINSON, .				"	"	1886.
	A. AMELIA SMEAD,				"	"	1886.
"	3.—JULIUS L. CLARKE,				66	66	1885.
	ELIJAH W. WOOD,*				66	66	1885.
66	4.—WILLIAM S. SMITH,				"	66	1885.
	ISAAC HAGAR,		,		"	66	1885.
"	5.—JOHN A. GOULD,				"	"	1884.
	EDWIN P. SEAVER,				64	*4	1884.
66	6.—EMILY W. HYDE,				"	44	1884.
	AMOS E. LAWRENCE, .				66	44	1884.
66	7.—GEORGE W. SHINN,				44	"	1884.
	LINCOLN R. STONE,				66	"	1885.

^{*} Resigned January 1. Fisher Ames elected to fill vacancy January 3.

District Committees.

NEWTON CENTRE DISTRICT.

Amos E. Lawrence,					Newton Centre.
EMILY W. HYDE, .					Newton Highlands.
John A. Gould, .					Newton Upper Falls.
EDWIN P. SEAVER,					Newton Highlands.
EDWIN W. GAY, .					Newton.
111	anen	EAT	e ty	STRIC	VP.

JOHN A. GOULD, .			Newton Upper Falls.
EMILY W. HYDE, .			Newton Highlands.
Amos E. Lawrence,			Newton Centre.
EDWIN P. SEAVER,			Newton Highlands.
ISAAC HAGAR, .			Newton Lower Falls.

LOWER FALLS DISTRICT.

WILLIAM S. SMITH,			Auburndale.
FISHER AMES, .			West Newton.
ISAAC HAGAR			Newton Lower Falls.

WEST NEWTON DISTRICT.

JULIUS L. CLARKE,			West Newton
J. W. DICKINSON, .			Newtonville.
FISHER AMES, .			West Newton
WILLIAM S. SMITH,			Auburndale.
A. AMELIA SMEAD,			Newtonville.

NEWTONVILLE DISTRICT.

J. W. Dickinson,		Newtonville.
A. AMELIA SMEAD, .		Newtonville
LINCOLN R. STONE, .		Newton.
EDMUND W. CONVERSE,		Newton.
CHARLES H. STONE, .		Newton.

NEWTON DISTRICT.

LINCOLN R. STONE,			Newton.
CHARLES H. STONE,			Newton.
GEORGE W. SHINN,			Newton.
EDMUND W. CONVERSE	,		Newton.
Ernyty W. Cay			Vanitan

Standing Committees of the Board.

High School.—A. E. Lawrence, Fisher Ames, J. W. Dickinson, W. S. Smith, G. W. Shinn, E. W. Converse, E. P. Seaver, and the Mayor, ex officio.

Evening Schools.-G. W. Shinn, L. R. Stone, J. W. Dickinson.

Music.-L. R. Stone, A. A. Smead, E. W. Hyde.

Drawing and Writing .- A. A. Smead, C. H. Stone, E. W. Hyde.

Industrial Drawing.—J. A. Gould, C. H. Stone, E. W. Gay.

Text-books.—A. E. Lawrence, W. S. Smith, J. L. Clarke.

Rules and Regulations.-G. W. Shinn, A. E. Lawrence, E. P. Seaver.

Salaries.—E. W. Converse, E. W. Gay, Fisher Ames.

Schoolhouses.—Isaac Hagar, C. H. Stone, L. R. Stone.

Accounts and Printing.—Isaac Hagar, Fisher Ames, J. L. Clarke.

WATER BOARD.

From the Board of Aldermen.
J. WESLEY KIMBALL.

From the Common Council.
FRED. W. FREEMAN.

At Large.

EDWARD W. CATE. FRANCIS J. PARKER. FRANCIS A. DEWSON.

EDWARD W. CATE, President. ALBERT S. GLOVER, Clerk.

POOR DEPARTMENT.

Board of Overseers.

THE MAYOR, ex officio, Chairman.

Ward 1.—CHARLES F. RAND.

Ward 4.—NATHAN MOSMAN.

" 5.—HOSEA C. HOYT.

" 2.—OLIVER B. LEAVITT.
" 3.—OSCAR F. LUCAS,

" 6.—GEORGE WARREN.

Ward 7.—JOHN WARNER.

NATHAN MOSMAN, Clerk of Board. NATHAN MOSMAN, City Almoner. NATHANIEL D. MOODY, Warden of Almshense.

FIRE DEPARTMENT.

HENRY L. BIXBY, Chief of Department.
WILLIAM BEMIS, Assistant Chief of Department.

TRUSTEES OF PUBLIC LIBRARY.

From the Board of Aldermen.
DAVID T. BUNKER.

From the Common Council.
WILLIAM PIERCE.

At Large.

JOHN S. FARLOW.

B. K. PIERCE.

WILLIAM CLAFLIN.

A. LAWRENCE EDMANDS.

JULIUS L. CLARKE.

JOHN S. FARLOW, *President*. B. K. PIERCE, *Superintendent*. HANNAH P. JAMES, *Librarian*.

POLICE DEPARTMENT.

REVILO L. HINDS, City Marshal.
CHARLES F. RICHARDSON, Sergeant of Police.

Police Officers.

JAMES D. HENTHORN.
WILLIAM C. EMERSON.
NOAH F. BOSWORTH.
GEORGE E. F. BAKER.
CHARLES O. DAVIS.
EDSON C. HOLMES.
JOHN RYAN.

CHARLES P. HEUSTIS.
ROBERT S. HARRISON.
CHARLES E. DAVIS.
FRANK B. FLETCHER.
JOHN PERCILL.
RUFUS H. MOULTON.
W. G. BOSWORTH.

WARD OFFICERS.

WARD ONE.

Warden, Herbert F. Bent; Clerk, Francis M. Trowbridge; * Inspectors, Dexter Whipple, Edw. L. Lemon, Chas F. Rand.

WARD TWO.

Warden, Geo. E. Bridges; Clerk, Willard S. Higgins; Inspectors, Henry P. Dearborn, Lawrence H. Cranitch, James D. Billings,

WARD THREE.

Warden, Frank H. Peck; Clerk, Richard A. Carroll; Inspectors, Samuel N. Waters, Harvey C. Wood, Richard A. Carroll.

WARD FOUR.

Warden, Bernard Early; Clerk, Henry H. Mather; Inspectors, Geo. W. Chamberlain, G. Lyman Snow, William P. Holden.

WARD FIVE.

Warden, Albert J. Grover; Clerk, Lewis P. Everett; Inspectors, Edw. M. Billings, John W. Howe, William T. Logan.

WARD SIX.

Warden, Samuel M. Jackson; Clirk, Lewis E. Coffin; Inspectors, Stillman C. Spaulding, Geo. R. Hovey, Robt. R. Bishop, Jr.

WARD SEVEN.

Warden, Chas. W. Bassett; Clerk, Chas. W. Bassett; Inspectors, Edw. B. Hitchcock, Fred. A. Wetherbee, Abraham Byfield.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Committee on Finance and Salaries.

Alderman John Q. Henry. Alderman J. Wesley Kimball. President Edwin W. Gay.

Councilman Willard G. Brackett. Councilman Edward H. Mason.

Committee on Accounts.

Alderman Elijah W. Wood.

Councilman Ira S. Franklin.

Councilman Prescott C. Bridgham.

Councilman Henry A. Thorndike.

^{*} Deceased January 28.

Committee on Public Property and Burial Grounds.

Alderman James R. Deane. Alderman Henry E. Cobb.

Councilman Austin R. Mitchell.

Councilman Edward H. Mason. Councilman Samuel L. Powers.

Committee on State Aid, Soldiers' Relief and Military Affairs.

Alderman James R. Deane. Alderman Elijah W. Wood.

Councilman Ira S. Franklin.

Councilman Luther E. Leland. Councilman Eben Thompson.

Committee on Fuel and Street Lights.

Alderman David T. Bunker. Alderman John Q. Henry.

Councilman William B. Young.

Councilman James II. Nickerson. Councilman Eben Thompson.

Committee on Fire Department.

Alderman J. Wesley Kimball. Alderman Henry E. Cobb.

Councilman Willard G. Brackett.

Councilman Luther E. Leland. Councilman William Pierce.

Committee on Highways, Streets and Ways, Sidewalks, Drains and Sewers.

Alderman Dwight Chester. Alderman John Q. Henry.

Councilman William B. Young.

Councilman Austin R. Mitchell. Councilman James H. Nickerson.

Committee on Printing.

Alderman Dwight Chester.

Councilman Ira S. Franklin. Councilman William Pierce.

Committee on Ordinances.

Alderman Elijah W. Wood. Alderman Dwight Chester.

Councilman Henry A. Thorndike.

Councilman Samuel L. Powers. Councilman Edward H. Mason.

Committee on Claims.

Alderman Henry E. Cobb. Alderman Dwight Chester.

President Edwin W. Gay.

Councilman Fred. W. Freeman. Councilman Samuel L. Powers.

Committee on Almshouse and Poor.

Alderman James R. Deane.

Councilman Prescott C. Bridgham. Councilman Eben Thompson.

Committee on Assessors' Department.

Alderman David T. Bunker.

Councilman Henry A. Thorndike.

Councilman James H. Nickerson.

Highway Surveyors.

Alderman Dwight Chester.

Alderman John Q. Henry.

Councilman William B. Young.

Councilman Austin R. Mitchell.

Councilman James H. Nickerson.

Committee on Parks.

Alderman John Q. Henry.

Alderman David T. Bunker.
Councilman William B. Young.
Councilman James H. Nickerson.

Alderman J. Wesley Kimball. Councilman Willard G. Brackett. Councilman William Pierce.

STANDING COMMITTEE OF THE BOARD OF ALDERMEN.

Committee on Enrolled Ordinances and Resolutions.

Alderman Elijah W. Wood.

Alderman James R. Deane.

STANDING COMMITTEES OF THE MAYOR AND ALDERMEN.

Committee on Police.
The MAYOR.

Alderman Henry E. Cobb.

Alderman David T. Bunker.

Committee on Licenses, Weights and Measures.

Alderman John Q. Henry.

Alderman Elijah W. Wood.

Committee on Elections.

Alderman J. Wesley Kimball.

Alderman Henry E. Cobb.

President of the Board of Health.

James R. Deane.

STANDING COMMITTEE OF THE BOARD OF HEALTH.

Alderman J. Wesley Kimball.

Alderman David T. Bunker.

Alderman Elijah W. Wood.

STANDING COMMITTEE OF THE COMMON COUNCIL.

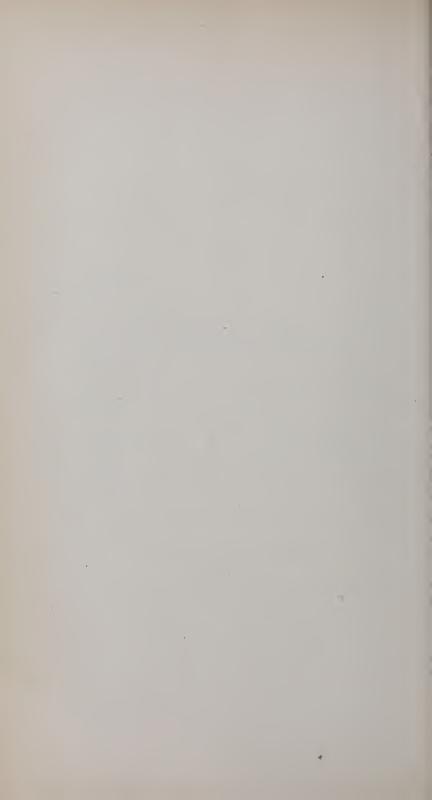
Committee on Enrolled Ordinances and Resolutions.

Councilman Prescott C. Bridgham.

Councilman Fred. W. Freeman.

Councilman Luther E. Leland.





AUDITOR'S REPORT.

CITY OF NEWTON.

Auditor's Department, City Hall, March 19, 1883.

TO THE HONORABLE CITY COUNCIL:

Gentlemen: — In conformity with the requirements of Section 10 of Ordinance No. 4, relating to Finance, the undersigned presents herewith his Annual Report of the receipts and expenditures of the City of Newton for the financial year commencing January 1, and terminating December 31, 1882, with a detailed account of each department, a statement of the liabilities and assets, the rates of interest and times the notes and bonds are payable; also a statement of the sinking funds, a schedule of the real and personal property, with other information relating to the financial matters of the city.

Respectfully submitted,

BENJAMIN F. OTIS, Auditor.

CITY OF NEWTON.

December 31, 1882.

To the Honorable Mayor and City Council:

Gentlemen: — In accordance with Section 12 of Ordinance No. 2, I have the honor to lay before you the Statement of the receipts and expenditures of the Treasury Department for the year ending December 31, 1882.

Very respectfully yours,

JOHN A. KENRICK,

Treasurer and Collector.

CITY TREASURER'S ACCOUNT.

CITY OF NEWTON IN ACCOUNT WITH JOHN A. KENRICK,

Treasurer and Collector.

Dr.

Almshouse Expenses and Repairs,	\$8,529 34
Armory Rent and Expenses,	1,074 95
Board of Health,	2,120 81
Books, Stationery and Printing,	2,656 85
Burial Grounds,	128 00
City Hall Expenses and Repairs,	1,740 18
City Engineer's Department,	5,600 78
Commonwealth of Massachusetts, Cor	-
poration Tax,	77 40
Commonwealth of Massachusetts, Na	-
tional Bank Tax,	1,106 21
Commonwealth of Massachusetts, State	2
Tax,	32,160 00
Conveyance of Pupils,	710 00
County of Middlesex, Tax of 1882,	12,120 60
Curbing,	1,200 00
Drains and Culverts,	12,165 13
Evening Schools,	919 13
Fire Department,	23,374 35
General Appropriation for Schools,	79,610 73
Amount carried forward,	\$185,294 46

Amount brought forward,	\$185,294	
Gravel Land,	216	
Highways, General Repairs,	57,620	88
Highways, Widening and Improve-		
ments,	5,280	
Improvement on Public Squares,	400	
Indigent Soldiers and Sailors,	839	00
Industrial and Mechanical Drawing,	249	
Interest on City Loans,	26,224	27
Interest on Water Bonds,	49,600	00
Kenrick Fund,	194	16
Land Damage,	1,086	93
Memorial Day,	300	00
Miscellaneous Expenses,	9,545	08
Newton Free Library,	7,177	55
Overlay, 1878,	2	07
" 1879,	2	00
" 1880, -	267	20
" 1881,	392	31
" 1882,	2,205	46
Police Department,	17,245	59
Poor out of Almshouse,	7,584	13
Public Property,	18,943	17
Removal of Ashes,	2,000	00
Salaries,	15,898	67
School Incidentals,	9,851	14
Sidewalks,	5,000	00
Sinking Fund on City Debt,	15,000	00
Sinking Fund on Water Debt,	15,000	00
State Aid,	958	50
Street Lights,	19,225	60
Temporary Loans,	225,000	00
Use of Hydrants,	6,880	00
Water Construction,	34,677	43
Water Maintenance,	14,072	
Water Meters and Service Pipe,	5,478	
Balance in the Treasury, Dec. 31, 1882,	38,630	35
, ,		

Cr.

Balance in the Treasury, Dec. 31, 1881, \$31,58		
Almshouse, 1,84		
,	0 00	
,	9 00)
Commonwealth of Massachusetts, Cor-		
poration Tax, 32,97	5 05)
Commonwealth of Massachusetts, Na-		e
tional Bank Tax, 12,34		
	5 - 28	
0 /	2 72	
Druggists' License Fees,	7 00)
	3 00)
Foreign Ships, 2,14	5 88	3
Funded Debt, Water Scrip, 30,00	0 00)
	2 14	1
Indigent Soldiers and Sailors, 50	3 50)
	6 04	1
Interest on Taxes, 1,78	4 48	3
Interest on Water Scrip, 20	0 00)
Kenrick Fund, Loans Paid and In-		
terest, 1,46	8 38	3
·	5 94	
Newton Free Library, Catalogue Ac-		
	3 00)
,	7 62	2
Poor out of Almshouse, 1,31		
	3 60	
	5 32	2
,	0 00	
State Aid, 1,41	1 27	-
·	1 45	
1	8 00	
,	2 4-	
,	3 30	
,	5 81	
Amount carried forward, \$125,15	4 38	}

Amount brought forward,	\$125,154 33
Taxes, 1881,	58,439 88
" 1882,	325,134 38
Temporary Loans,	$24\bar{0},000$ 00
Tuition, Non-Resident Pupils,	814 00
United States Street Lighting Co.,	500 00
Water Construction,	380 22
Water Maintenance, Meters and Ser	-
vice,	5,489 45
Water Rates,	29,93896
Water Rates by Meter,	12,493 43

\$798,344 65

JOHN A. KENRICK,

Treasurer and Collector,

City of Newton.

NEWTON, December 31, 1882.

CITY OF NEWTON, December 30, 1882.

The Joint Standing Committee on Finance beg leave to report that in pursuance with Section 14 of Ordinance No. 2, they have examined the books and accounts of the Treasurer and Collector for the financial year ending December 31, 1882, and find them correct in all respects, and all payments properly vouched.

The cash on hand Dec. 31, 1881, was	\$31,589 30
The total cash receipts of the year ending Dec. 31, 1882, were	766,755 35
	\$798,344 65
The payments of the year were	759,714 30
Leaving on hand at close of business Saturday,	
Dec. 30, 1882,	\$38,630 35

This balance has been verified by examination of the bank balances to the credit of the City, and cash and cash items in the office.

They further report that there remain due and uncollected the following taxes and assessments:

raxes or	1879,	\$090	92		
66	1880,	907	94		
6.	1881,	1,519	42		
"	1882,	59,639	20		
Sidewalk	and Curbing Assessments,	83	11		
Betterme	nts on Drains in Wards 1 and 2,	8,206	05		
	_			\$71.249	.)

Respectfully submitted,

J. Q. HENRY, J. WESLEY KIMBALL,		Committee
EDWIN W. GAY,	}	011
W. G. BRACKETT,		Finance.
EDWARD H. MASON,	J	

LIABILITIES OF THE CITY OF NEWTON TO DECEMBER 31, 1882, INCLUSIVE.

Water Loan, Accrued Interest on same,	\$900,000 24,750		
Treoraca interest on same,			\$924,750 00
Town and City Notes,	\$323,000	00	,
Accrued Interest on same,	4,228	72	
			327,228 72
Municipal Bonds,	\$34,000	00	
Accrued Interest on same,	850	00	
_			34,850 00
Temporary Loan,	\$45,000	00	
Accrued Interest on same,	56	25	
			45,056 25
Uninvested Portion of Principal of	of		
Kenrick Fund,	\$1,740	00	
Accrued Interest on same,	30	24	
			1,770 24
Amount carried forward,			\$1,333,655 21

Amount brought forward, United States Street Lighting Co.,	\$500		\$1,333,655	21
Accrued Interest on same,	20	00	\$520	00
Suspense Account, Amount in Treas-			\$0 2 0	00
ury, subject to call by sundry par-				
ties,	\$661	68		
Mayor's Warrants unpaid, Appropria-				
tions, etc.,	25,359	45		
Mayor's Warrants unpaid, Water Con-				
struction,	7,205	60	99 556	79
*			33,226	10
			\$1,367,401	94
DETAILED STATEMENT	OF ASS	SETS	•	
Balance of Taxes, 1879, \$893 52				
" 1880, 907 94				
" 1881, 1,519 42				
" 1882, 59,639 20	\$62,960	08		
Due from Commonwealth of Massa-	\$02,800	00		
chusetts, as follows:				
State Aid furnished in December,				
1882,	2,150	00		
Balance of Corporation Tax,	6,056			
Balance of National Bank Tax,	163	50		
Armory Rent for 1882,	400	00		
Due from County Treasurer:				
Dog Tax for 1882,	650	00		
Due from Miscellaneous Sources, viz.:				
From sundry persons for Betterments				
on Drains in Wards 1 and 2,	8,206	05		
From sundry persons for Sidewalk				
and Curbing Assessments,		11		
Cash on hand,	38,630	35		
Amounts carried forward,	\$119,299	51	\$1,367,401	94

Amounts brought forward,

\$119,299 51 \$1,367,401 94

Sinking Funds.

Water Debt Sinking Fund:

City of Newton Water

Bonds, 5%, \$62,000 00

City of Newton Water

Bonds, 4%, 22,000 00

Cash on Deposit on In-

terest, 19,415 38

*******\$103,415 38

City Debt Sinking Fund:

City of Newton Water

Bonds, 5%, \$8,000 00

City of Newton Water

Bonds, 4%, 28,000 00

Cash on Deposit on In-

terest, 33,280 54

69,280 54

291,995 43

\$1,075,406 51

RECAPITULATION.

Water Debt.

Water Loan, \$900,000 00

Accrued Interest on same, 24,750 00

Mayor's Warrants unpaid, for Con-

struction, 7,205 60

\$931,955 60
Sinking Fund, 103,415 38

Net Water Liability, \$828,540 22

City Debt Exclusive of Water Debt.

Town and City Notes,	\$323,000	00		
Accrued Interest on same,	4,228	72		
			\$327,228	72
Municipal Bonds,	\$34,000			
Accrued Interest on same,	850	00	34,850	00
Temporary Loan,	\$45,000	00	94,000	00
Accrued Interest on same,		25		
,			45,056	25
Uninvested Portion of Principal of				
Kenrick Fund,	\$1,740			
Accrued Interest on same,	30	24	1 ==0	ο i
United States Street Lighting Co.,	\$500	00	1,770	24
Accrued Interest on same,		00		
· · · · · · · · · · · · · · · · · · ·			520	00
Suspense Account, Amount in Treas-				
ury, subject to call by sundry par-				
ties,	\$661	68		
Mayor's Warrants unpaid, Appropria-				
tions, etc.,	25,359	45	26,021	12
			20,021	10
			\$435,446	34
Cash on hand,	\$38,630			
Sinking Fund,	69,280			
Balance Taxes uncollected,	62,960			
Other Assets uncollected,	<u>17,709</u>		188,580	05
Net City Debt Liability,			\$246,866	29

RECEIPTS.

The receipts for the year ending December 31, 1882, are shown in the aggregates, as credited in the following accounts:—

No.			
1.	Almshouse,	\$1,843	51
2.	Armory,	400	00
3.	City Hall,	739	00
4.	Corporation Tax,	32,975	05
5.	Curbing and Concrete,	965	28
6.	Dog Tax,	702	72
7.	Druggists' License Fees,	7	00
-8.	Fire Department,	73	00
9.	Funded Debt, Water Bonds,	30,000	00
10.	Highway Department,	732	14
11.	Indigent Soldiers and Sailors,	503	50
12.	Interest on Deposits,	766	04
13.	Interest on Taxes,	1,784	43
14.	Interest on Water Bonds,	200	00
15.	Kenrick Fund Income, etc.,	1,468	38
16.	Miscellaneous,	75	94
17.	Newton Free Library, Catalogue Account,	43	$\bar{0}0$
18.	National Bank Tax,	12,343	46
19.	Police Department,	957	62
20.	Poor out of Almshouse,	1,314	88
21.	Public Property,	503	60
22.	Record and other Fees,	685	32
23.	Ships Engaged in Foreign Trade,	2,145	83
24.	State Aid,	1,411	27
25.	School Incidentals,	10	00
26.	Suspense Account,	-24	45
27.	Taxes, 1877,	38	00
28.	" 1878,	52	44
29.	" 1879,	63	36
30.	" 1880,	735	81
31.	" 1881,	58,439	88
32.	" 1882,	325,134	38
33.	Temporary Loans,	240,000	00
34.	Tuition for Non-Resident Pupils,	814	00
35.	United States Street Lighting Co.,	500	00

\$718,453 29

Amount carried forward,

A	mount brought forward,	\$718,453	298
36.	Water Construction,	380	22
37.	Water Meters and Service Pipe,	5,489	45
38.	Water Rates,	42,432	39
	Total Receipts,	\$766,755	35

EXPENSES.

The claims for the year ending December 31, 1882, as approved and drawn for in the Auditor's Office, are shown in the aggregates as charged to the following accounts:—

ľ	٧c	١.	0	f	
A	cc	0	u	nt.	

1. Almshouse Expenses and Repairs, \$8,390 8 2. Armory Rent and Expenses, 1,155 0 3. Books, Stationery and Printing, 2,499 0 4. Board of Health, 2,267 8 5. Burial Grounds, 128 0 6. Conveyance of Pupils, 650 0 7. Curbing, 1,200 0 8. City Hall Expenses, 1,622 5 9. City Engineer's Department, 5,883 9 10. Drains and Culverts, 11,500 8 11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1 Amount carried forward, \$200,676 4		· · ·		
3. Books, Stationery and Printing, 2,499 (4. Board of Health, 2,267 (5. Burial Grounds, 128 (6. Conveyance of Pupils, 650 (7. Curbing, 1,200 (8. City Hall Expenses, 1,622 (9. City Engineer's Department, 5,883 (10. Drains and Culverts, 11,500 (11. Evening Schools, 622 (12. Fire Department, 23,570 (13. Gravel Land, 259 (14. Highways, General Repairs, 58,416 (15. "Widening and Improvements, 5,000 (16. Improvement on Public Squares, 404 (17. Interest on City Loans, 26,224 (18. Interest on Water Bonds, 49,600 (19. Indigent Soldiers and Sailors, 836 (20. Industrial and Mechanical Drawing, 249 (21. Kenrick Fund Income, 194 (1.	Almshouse Expenses and Repairs,	\$8,390	830
4. Board of Health, 2,267 9 5. Burial Grounds, 128 0 6. Conveyance of Pupils, 650 0 7. Curbing, 1,200 0 8. City Hall Expenses, 1,622 5 9. City Engineer's Department, 5,883 9 10. Drains and Culverts, 11,500 8 11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	2.		1,155	05
5. Burial Grounds, 128 0 6. Conveyance of Pupils, 650 0 7. Curbing, 1,200 0 8. City Hall Expenses, 1,622 5 9. City Engineer's Department, 5,883 0 10. Drains and Culverts, 11,500 8 11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	3.	Books, Stationery and Printing,	2,499	00
6. Conveyance of Pupils, 7. Curbing, 8. City Hall Expenses, 9. City Engineer's Department, 10. Drains and Culverts, 11. Evening Schools, 12. Fire Department, 13. Gravel Land, 14. Highways, General Repairs, 15. "Widening and Improvements, 16. Improvement on Public Squares, 17. Interest on City Loans, 18. Interest on Water Bonds, 19. Indigent Soldiers and Sailors, 20. Industrial and Mechanical Drawing, 21. Kenrick Fund Income, 21,200 20 21,200 20 20 21,200 20 20 21,200 20 20 21,200 20 21,200 21,200 22,21 24,200 24,200 25,21 26,224 26 27 28 29 20 20 20 21 21 22 22 23 25 26 26 27 28 28 29 20 20 20 21 21 22 22 23 24 26 26 27 28 28 29 20 20 21 21 22 22 23 24 26 26 27 28 28 28 29 20 20 20 20 21 21 21 22 22 23 24 26 26 27 28 28 28 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	4.	Board of Health,	2,267	98:
7. Curbing, 1,200 0 8. City Hall Expenses, 1,622 5 9. City Engineer's Department, 5,883 5 10. Drains and Culverts, 11,500 8 11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 6 21. Kenrick Fund Income, 194 1	5.	Burial Grounds,	128	00
8. City Hall Expenses, 1,622 5 9. City Engineer's Department, 5,883 5 10. Drains and Culverts, 11,500 8 11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	6.	Conveyance of Pupils,	650	00
9. City Engineer's Department, 5,883 10. Drains and Culverts, 11,500 11. Evening Schools, 622 12. Fire Department, 23,570 13. Gravel Land, 259 14. Highways, General Repairs, 58,416 15. "Widening and Improvements, 5,000 16. Improvement on Public Squares, 404 17. Interest on City Loans, 26,224 18. Interest on Water Bonds, 49,600 19. Indigent Soldiers and Sailors, 836 20. Industrial and Mechanical Drawing, 249 21. Kenrick Fund Income, 194	7.	Curbing,	1,200	00
10. Drains and Culverts, 11,500 8 11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 8 15. " Widening and Improvements, 5,000 6 16. Improvement on Public Squares, 404 6 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 6 19. Indigent Soldiers and Sailors, 836 6 20. Industrial and Mechanical Drawing, 249 6 21. Kenrick Fund Income, 194 1	8.	City Hall Expenses,	1,622	57
11. Evening Schools, 622 8 12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	9.	City Engineer's Department,	5,883	98
12. Fire Department, 23,570 8 13. Gravel Land, 259 8 14. Highways, General Repairs, 58,416 9 15. "Widening and Improvements, 5,000 0 16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	10.	Drains and Culverts,	11,500	85
13. Gravel Land, 259 & 14. Highways, General Repairs, 58,416 & 15. "Widening and Improvements, 5,000 & 16. Improvement on Public Squares, 404 & 17. Interest on City Loans, 26,224 & 18. Interest on Water Bonds, 49,600 & 19. Indigent Soldiers and Sailors, 836 & 19. Industrial and Mechanical Drawing, 249 & 19. Kenrick Fund Income, 194 Income,	11.	Evening Schools,	622	87
14. Highways, General Repairs, 15. "Widening and Improvements, 16. Improvement on Public Squares, 17. Interest on City Loans, 18. Interest on Water Bonds, 19. Indigent Soldiers and Sailors, 20. Industrial and Mechanical Drawing, 21. Kenrick Fund Income, 258,416 9 26,224 2 27 28 29,224 2 29,600 0 20 21, 100,000 0 21, 100,000 0 22, 100,000 0 23,000 0 249,600 0 249,600 0 25,000 0 26,224 2 26,224 2 26,224 2 27 28 29,000 0 20 20 20 20 20 20 20 20 20 20 20 20 20	12.	Fire Department,	23,570	87
15. "Widening and Improvements, 5,000 (16. Improvement on Public Squares, 404 (17. Interest on City Loans, 26,224 (27. Interest on Water Bonds, 49,600 (17. Indigent Soldiers and Sailors, 836 (17. Industrial and Mechanical Drawing, 249 (17. Kenrick Fund Income, 17. Indigent Soldiers and Sailors, 836 (17. Industrial and Mechanical Drawing, 17. Industrial Andrew Mechanical Drawing, 17. Indu	13.	Gravel Land,	259	39
16. Improvement on Public Squares, 404 0 17. Interest on City Loans, 26,224 2 18. Interest on Water Bonds, 49,600 0 19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	14.	Highways, General Repairs,	58,416	95.
17. Interest on City Loans, 18. Interest on Water Bonds, 19. Indigent Soldiers and Sailors, 20. Industrial and Mechanical Drawing, 21. Kenrick Fund Income, 26,224 2 49,600 0 20,240 0 21,240 0 22,240 0 23,240 0 24,240 0 24,240 0 24,240 0 25,240 0 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,224 2 26,2	15.	" Widening and Improvements,	5,000	00
18. Interest on Water Bonds,49,600 019. Indigent Soldiers and Sailors,836 020. Industrial and Mechanical Drawing,249 621. Kenrick Fund Income,194 1	16.	Improvement on Public Squares,	404	00
19. Indigent Soldiers and Sailors, 836 0 20. Industrial and Mechanical Drawing, 249 0 21. Kenrick Fund Income, 194 1	17.	Interest on City Loans,	26,224	27
20. Industrial and Mechanical Drawing, 249 6 21. Kenrick Fund Income, 194 1	18.	Interest on Water Bonds,	49,600	00
21. Kenrick Fund Income, 194 1	19.	Indigent Soldiers and Sailors,	836	00
	20.	Industrial and Mechanical Drawing,	249	67
Amount carried forward, \$200,676 4	21.	Kenrick Fund Income,	194	16
	A	mount carried forward,	\$200,676	44

A	mount brought forward,	\$200,676 44
22.		930 00
	Memorial Day,	300 00
24.	Miscellaneous Expenses,	9,111 14
25.	Newton Free Library,	7,999 93
26.	Police Department,	17,558 39
27.	Poor out of Almshouse,	7,933 57
28.	Public Property,	11,437 05
29.	Removal of Ashes,	2,000 00
30.	Salaries,	14,132 00
31.	Schools, General Appropriation,	79,660 79
32.	School Incidentals,	10,058 57
33.	Sidewalks,	5,000 00
34.	Sinking Fund on City Debt,	15,000 00
35.	Sinking Fund on Water Bonds,	15,000 00
36.	Street Light Department,	19,355 41
37.	State Aid,	936 00
38.	Taxes, 1882, State,	32,160 00
39.	" 1882, County,	12,120 60
40.	" 1882, National Bank,	1,106 21
41.	" 1882, Corporation,	77 40
42.	Temporary Loans,	225,000 00
43.	Use of Hydrants,	6,880 00
44.	Water Maintenance,	13,811 62
45.	Water Meters and Service Pipe,	5,590 63
46.	Water Construction,	40,756 14
	Total Expenses,	\$754,591 89

Table Showing Appropriations, Transfers, Mayor's Warrants, Treasurer's Payments, Differences, Excess and Deficiency Account.

						,	14												
ney	n'd	Ē.	188	8 1 1 1 1 1 1 1		33			10	È					<u>=</u>			. 00 96	228
Excess and Deficiency Account.	Overdr'wn Unexp'n'd	ş	<u>‡</u> ‡,	132	21	10			3.190 15						1,240 61			96	775 73 100 001
s and Defi Account.	wn,							0 0	Š		0	ō				<u>5</u>			
Excess	Overdr							71 0 71 0 71 0 71 0	Ĉ		100					3,416 95			
ces.		2		25		8		<u> </u>		26	33	7		90	45 40	20 962	280 70	3	
Differences.		4 3	8 ;	15.7		99		117	999	296	106	5.		50	1	96.	23 08	7	
Diff			-1	ı					ı					1	1	1		1	
er's ats.		2.1		$\frac{2}{3}$	8		00	2 2	5 50 5 50	===	100 000 	•		33	96 9	£	200	8	27 00
Treasurer's Payments.		98 000	1,074	2,050 2,120	128	710	1,200	1,740	19,165	916	98 874 85	0,60		79,610	216	57,620	5.280	400	26,224 27 49,600 00
			.es	3 %			8	5.00	5 25	. Z	1	<u>. </u>		612	9; 9;	56	8	00	27
Mayor's Warrants.		008 8		2,435	128	650	1,200	1,622 7,622	1,500 1,500 1,500	622	78 077 86			099'62	250 39	58,416 95	5,000 00	404 00	26,224 27 49,600 00
Ma War		4	î H	ห์ ร	î						ê	î		7.67		58,	70		26, 49,
ria-		8	33	38	00	85	90	8	8	32	00	3		62.	8	8	9	500 00	88
Total Appropria- tions.		\$\$ 400 00	1,200 00	2,500	200	099	1,200	7,600,00	15,000 00	655	98.078.00			27 099,67	1,500 00	55,000 00	5,000 00	500	27,000 00 49,700 00
				8		39 18				72 87				33					
Transfers.				\$1.200 00	-	330				25				3,041 93					
		8	88	5 8		8	8	38	88	9	8			23	3	8	8	00	88
Appropriations for	1002*	\$3 TOO 00	1,200 00	1,200 00	200 00	200 00	1,200	1,600	15,000 00	550 00	98 073 00	2000		82,702 72	1,500 00	55,000 00	5,000 00	500 00	27,000 00 49,700 00
OBJECT OF APPROPRIATIONS. the		1 Almshouse Expenses and Repairs, - \$7,500 00	_	4 Board of Health.	5 Burial Grounds,	6 Conveyance of Pupils,	Curbing,	1	Drains and Culverts.		\$23,000 00 \ mis?n 73 00 \		Addinal Appropria'n, 1,500, 00	Dog Tax, 702 72	Gravel Land,		provements,	17 Improvements on Public Squares,	

364 00	.00 00.1	0.7	62 95	144 59 364 00	109 37 5,88,464 43 5,886 09	3,128 34
್ಲಿ	1.07		~ %	∓ ≋	5,3,40	3,15
		39		39	60 .	
		3111 856 4533		311 62	\$5,336	
00	33	3884	21 57	18 50 S	8 18 14	80
ಣ	156 98	### ### ##############################	7,506 12 1,766 67 - 207 43	- 129 22 261	\$112 09 \$11,865 55 \$5,336 09 - 3,533 47	\$8,332 08
00	1280	2882	10011	3 3 3 3 3 3		14 88 88 18 88
859 00	249 1,086		18,943 2,000 15,898 9,851	15,000 15,000 19,225 958 6,880 14,072	5,478 54 \$451,509 46 33,691 53 \$417,817 93	25,359 45 3443,177 38
00	588		82002	9 9 7 9 9 7 9		30
836 00	249 930 300	9,111 7,999 17,558 7,933	11,437 2,000 14,132 10,058 5,000	15,000 00 15,000 00 19,355 41 936 00 6,880 00 13,811 62	5,590 63	5443,177
00	1200	3888	021000	8 88888	8	27
1,200 00	2,000 00 300 00	3,800 1,500 1,500 1,500	11,500 00 2,000 00 14,500 00 10,058 57 5,000 00	15,000 00 15,000 00 19,500 00 1,300 00 6,880 00 13,500 00	5,700 00	\$446,305 72 \$443,177 38 \$445,177 38
	50 33	8	10			
	50	1,200 00	3,058 57			
00	888	88888	33888	8 88888	00	2 .
1,200 00	300 00 2,000 00 300 00	10,000 00 8,000 00 17,500 00 7,500 00	11,500 00 2,000 00 14,500 00 7,000 00 5,000 00	15,000 00 15,000 00 19,500 00 1,300 00 6,880 00 13,500 00	5,700 00	\$446,305 72
20 Indigent Soldiers and Sailors,	21 Industrial and Mechanical Drawing, 22 Land Damages, 93 Memorial Day.				39 Water Meters and Service Pipe, vice Pipe, Add'nal Appropria'n, 1,200 00) Less Mayor's Warrants of 1881, paid by Treasurer in 1882, Amount of Mayor's Warrants for	Transferred into Treasury,

PERMANENT DEBT. - DESCRIPTIVE LIST.

	RATE.	DATE OF LOAN, ETC.	PAYABLE.	AMOUNT.	INTEREST, WHEN PAYABLE.
City Institution for Savings, Lowell,	- 6 per cent.	Oct. 3, 1867.	Oct. 3, 1884.	\$20,000 00	April and October
, , , , , , , , , , , , , , , , , , , ,	" , 9 -	Oct. 3, 1867.	Oct. 3, 1885.	20,000 00	37
" " "	» 9 -	Oct. 3, 1867.	Oct. 3, 1886.	20,000 00	"
22 22 22 22	" <u>9</u> -	Oct. 3, 1867.	Oct. 3, 1887.	20,000 00	"
Commonwealth of Massachusetts,	» 9 -	April 1, 1868.	April 1, 1883.	30,000 00	"
, , , , , , , , , , , , , , , , , , ,	" 9 -	April 1, 1868.	April 1, 1888.	30,000 00	"
- " " " " "	. 64 "	April 21, 1871.	April 21, 1888.	46,000 00	33 37 ·
- " "	" 9 -	April 22, 1870.	April 22, 1890.	20,000 00	33 33
- 23 23	,, 9	April 22, 1870.	April 22, 1892.	30,000 00	"
- 33 33	" 9 -	March 10, 1875.	March 10, 1894.	47,000 00	March and Sept.
Boston Five Cents Savings Bank,	. 64 "	April 1, 1872.	April 1, 1883.	40,000 00	Tune 16 and Dec. 16
Municipal Bonds, \$1,000 each,	ت آ	[uly 1, 1875.	July 1, 1895.	34,000 00	January and July.
Water Bonds, \$1,000 each,	" 9 -	July 1, 1875.	July 1, 1905.	00 000,009	, ,
" #1,000 each, -	- 57 °	July 1, 1875.	July 1, 1906.	250,000 00	"
" #1,000 each,	4		Ócť. 1, 1910.	50,000 00	April and October
				\$1,257,000 00	

STATEMENT OF THE KENRICK FUND.

The following is a statement of this Fund and its income, January 1, 1883:—

Amount invested,		\$2,260 00
Cash uninvested,		1,740 00
Total Fund,		\$4,000 00
Balance income on hand Jan. 1, 1882, Income received in 1882,	\$79 08 228 38	
,		\$307 46
Amount distributed,		194 16
Balance,		\$113 30

The distribution of the income of this Fund has been made in accordance with the terms of the donor, to persons entitled to its benefits.

TAXES AND TAXABLE VALUATION.

The following will show the valuation of the property of the City, on which taxes were assessed for the year 1882, with the amount of taxes and rate of taxation:—

Value of Real Estate,	\$18,930,485 00
Value of Personal Estate,	7,450,233 00
	\$26,380,718 00
Taxable Value of Corporate Stocks,	2,181,960 00
Taxable Value of Bank Stocks,	834,000 00
	\$29,396,678 00
City Appropriations for Current Expenses,	\$423,930 00
Deduct Estimated Receipts for 1882,	89,405 00
Amount carried forward,	\$334,525 00

Amount brought forward,		\$334,525 00
State Tax,		32,160 00
County Tax,		12,120 60
Overlay and Supplementary Assessme	ents,	4,837 40
Total Assessments,		\$383,643 00
Rate of Taxation, \$14 20 on \$1,00	00 00.	π)
LEDGED DALL	NOTO	
LEDGER BALA		
Cash, . Betterments,	\$38,630 35 8,206 05	
Curbing,	83 11	
Bills Receivable,	$250 \ 00$	•
Bills Receivable, Kenrick Fund,	2,255 50	
Public Property Owned by the City,	759,533 10	
Taxes, 1879,	893 52	
" 1880,	907 94	
" 1881,	1,519 42	
" 1882,	59,639 20	
Water Construction, Cost of Works,	903,984 05	
City of Newton,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$434,109 58
Funded Debt, City Bonds, 5%,		34,000 00
" " Notes,		323,000 00
" Water Scrip, 6%,		600,000 00
"""5%,		250,000 00
" " " 4%,		50,000 00
Kenrick Fund,		4,108 08
Mayor's Warrants, Unpaid Bills,		
Appropriations,		25,359 45
Overlay, 1879,		2,339 61
" 1880,		3,801 44
" 1881,		1,060 74
" 1882,		1,960 94
Suspense Account,		661 68
Temporary Loans,		45;000 00
United States Street Lighting Co.,		500 00

^{\$1,775,902 24 \$1,775,902 24}

REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS.

In accordance with the requirements of the City Charter and Ordinance, your Sinking Fund Commissioners beg leave to report the condition of the funds in their charge on the 31st day of December, 1882, as follows:—

City Debt Sinking Fund.

On hand January 1, 1882,	\$51,579	43
Received Interest on Bonds, Loans and Deposits,	2,701	11
Received Appropriation by the City for 1882,	15,000	00
	\$69,280	54
Invested as follows, viz.:—		
City of Newton 5% Water Bonds,	\$8,000	00
City of Newton 4% Water Bonds,	28,000	00
Cash on Deposit on Interest,	33,280	54
	\$69,280	54
Water Debt Sinking Fund.		
On hand January 1, 1882,	\$84,401	90
Received Interest on Bonds, Loans and Deposits,	4,013	48
Received Appropriation by the City for 1882,	15,000	00
	\$103,415	38
Invested as follows, viz.:—		
City of Newton 4% Water Bonds,	\$22,000	00
City of Newton 5% Water Bonds,	62,000	00
Cash on Deposit on Interest,	19,415	38
	\$103,415	38

January 1, 1883, your Commissioners purchased for the Water Debt Sinking Fund \$10,000 00 of the Water Debt 4% Bonds of the City of Newton, and of the City Debt Sinking Fund \$8,000 00 of the same bonds at par and accrued interest, and your Commissioners now have on deposit on interest the funds to meet the debt of \$40,000 00 that matures April 1, 1883.

Had the rate of interest on the class of investments in which the sinking funds of a city may be invested remained as high as it was when your sinking funds were commenced, in 1876, it would not have been necessary to increase the amount to be raised by taxation.

The amount then indicated was based on the assumption that 5% would be realized, which is now quite out of the question.

The amount now designated is based on 4%; should this not be realized, a further advance will be required in future years.

Your Commissioners respectfully report that there should be raised and paid into the sinking funds the present year as follows, viz.:—

For the City Debt Sinking Fund,	\$20,800 00)
For the Water Debt Sinking Fund,	16,000 00)
	\$36,800 00)

Respectfully submitted,

ALDEN SPEARE,	Sinking Fund Commissioners
GEORGE C. LORD,	for the
GEORGE S. BULLENS,	City of Newton.

STATEMENT IN DETAIL OF RECEIPTS.

Almshouse.

Received	l of N. D. Moody, Warden, for		
	sale of Hay, Straw, Vege-		
	tables, etc.,	\$1,501	01
"	N. D. Moody, Warden, for		
	sale of Wood,	225	50
66	N. D. Moody, Warden, for		
	sale of Cow,	60	00
"	for support of Sally Pierce,	52	00
"	" Mary Sherman,	5	00
m .			_

Total, as per item No. 1 of receipts,

\$1,843 51

Armory.

Received from Commonwealth of Massachusetts, for rent of Armory, as per item No. 2 of receipts,

\$400 00

City Hall.

Received for use of Hall, etc., \$239 00

"from Amos Stone, Treasurer of County of Middlesex, for rent of Police Court Room, 500 00

0.0

Total, as per item No. 3 of receipts,

\$739 00

Corporation Tax.

Received from Commonwealth of Massachusetts, as per item No. 4 of receipts,

\$32,975 05

Curbing and Concrete.

Received from sundry parties on account of Curbing and Concrete, as per item No. 5 of receipts,

\$965 28

Dog Tax.

Received from Amos Stone, Treasurer of County of Middlesex, for Dog Tax, as per item No. 6 of receipts,

\$702 72

Druggists' License Fees.

Received from sundry persons for Liquor Licenses of the Sixth Class, as per item No. 7 of receipts,

\$7 00

Fire Department.

Received from Charles Francis for filling cisterns,

\$25 00

" H. L. Bixby, use of apparatus, fire in Needham,

30 00

Amount carried forward,

\$55 00

Amount brought forward, \$55 00	
Received from H. L. Bixby, sale of old	
telegraph poles, 11 50	
" H. L. Bixby, oiling hose	
for Wellesley, 6 00	
" H. L. Bixby, use of hose, 50	
Total, as per item No. 8 of receipts,	\$73 00
Funded Debt.—Water Bonds.	
Received from Commissioners of the Sinking Funds of the City of Newton, for thirty Water Bonds, 4%, \$1,000 each, as per item	
No. 9 of receipts,	\$30,000 00
Highway Department.	
Received from Newton Mills, in part for	
drain at Upper Falls, \$550 00	
" Almshouse Department,	
manure, 159 00	
" Arland Harris, refund on	
account of labor, 17 50	
" W. E. Fuller, refund on	
account of discharged	
ticket to M. Riley, 5 64	
Total, as per item No. 10 of receipts,	\$732 1 4
The second secon	"
Indigent Soldiers and Sailors.	
Received from Commonwealth of Massachusetts,	
on account of aid to sundry persons, under	
Chap. 252, Acts of 1879, as per item No. 11 of receipts,	\$503 50
Interest on Deposits.	
Received from Newton National Bank, on daily	
balances, as per item No. 12 of receipts,	\$766 04

Interest on Taxes.

interest on raxe	:5.		
Received from sundry persons, Interest as per item No. 13 of receipts,	on Taxes,	\$1,784	43
Interest on Water B	onds.		
Received from Commissioners of the Sinking Funds of the City of Newton, accrued interest on 4% Water Bonds, as per item No. 14 of receipts,		\$200	00
Kenrick Fund Incom	e, Etc.		
Balance uninvested, Jan. 1, 1882, in City Treasury, Balance of Income on hand, Jan. 1, 1882,	\$500 00 79 08	\$579	08
Received of principal, May 16, " August 23, Income from Investments, Received from City of Newton, Interest on uninvested portion of Fund,	\$240 00 1,000 00 198 14 30 24		
Total, as per item No. 15 of receipts	s,	1,468	38
EXPENDED.		\$2,047	46
Distributed per order Board of Aldermen, as per item No. 21 of expenses, Balance Income on hand,	\$194 16 113 30	307	46
Balance uninvested, Jan. 1, 1883,		\$1,740	00
Miscellaneous.			

Received from sundry persons on account of Taxes, abated by City Council, as per item

\$75 94

No. 16 of receipts,

Newton Free Library.—Catalogue Account. Received from B. K. Pierce, Secretary, for sale of Catalogues, as per item No. 17 of receipts, \$43 00 National Bank Tax. Received from Commonwealth of Massachusetts, National Bank Tax, as per item No. 18 of receipts, \$12,343 46 Police Department. Received from E. W. Cate, Clerk of Police Court, Officers' Fees, Fees for Witnesses, Fines and Costs, \$935 80 Received from R. L. Hinds, Chief of Police, on account of sale of Stolen Property unclaimed, 21 82 \$957 62 Total, as per item No. 19 of receipts, Poor out of Almshouse. Rec'd from Commonwealth of Massachusetts, for partial support, etc., of sundry per-\$269 62 sons, City of Boston, for partial support of sundry persons, 219 19 City of Gloucester, for partial support of sundry per-40 00 Town of Waltham, for partial support of sundry per-105 18 sons, Town of Plymouth, for partial support of sundry per-96 25 sons,

Amount carried forward,

\$730 24









Amount l	brought fo	rward,	\$730	24
Rec'd from	Town of	Blackstone, for		
	•	support of sundry		
66	persons	,	96	00
.,		Concord, for parport of sundry per-		
	sons,	port of sundry per-	87	28
"	,	Grafton, for par-		
		port of sundry per-		
	sons,		34	00
"		Brookline, for par-		
	•	port of sundry per-	17	10
"	sons,	Wayland, for par-	11	10
		port of sundry per-		
	sons,	1 71	13	30
"		Pittsfield, for par-		
	-	port of sundry per-		
66	sons,	£ 337-44	8	29
		f Watertown, for support of sundry		
	persons	• •	8	00
"	1	Needham, for par-		0 (/
		port of sundry per-		
	sons,		7	75
"		Foxboro', for par-		
	_	port of sundry per-	7	50
Rec'd for n	sons,	port of J. C. Gip-	1	50
Acc a for p	artiai sup	son,	195	96
"	"	M. A. Rich-		
		ardson,	49	00
46	"	W. S. Scam-		
66	"	man,	32	
	.,	E. B.Baker,	28	46

Public Property.

	from D. W. Farquhar, Treas- Nonantum Athenæum, for				
piece	of land on Dalby Street,	\$156	00		
Rec'd for	rent of Prospect School-house				
	Hall,	139	00		
"	" Mason School-house				
	Hall,	84	00		
"	" Oak Hill School-house				
	Hall,	12	50		
"	" Hyde School - house				
	Hall,	. 4	00		
"	" House, Auburndale				
	Avenue,	41	00		
Rec'd from	n E. M. Fowle, Treasurer, for				
	rent of Black Bass Pond				
	for two years,	50	00		
"	F. M. Holmes, refund on				
	bill,	10	00		
"	D. Webster King & Co., for				
	goods returned,	7	10		
Total	, as per item No. 21 of receip	ts,		\$503	60

Record and Other Fees.

Received from John A. Kenrick, Treas-		
urer, amount of Fees received in		
Treasury Department during the		
year,	\$499	07
Received from Edwin O. Childs, City		
Clerk, for recording Mortgages,		
Marriage Certificates, Assignments,		
etc.,	186	25

Total, as per item No. 22 of receipts, \$685 32

Included in the above item ($$186\ 25$) is $$6\ 00$, received for six Liquor Licenses of the Sixth Class.

Ships Engaged in Foreign Trade.	
Received from Commonwealth of Massachusetts, on account of Ships Engaged in Foreign Trade, as per item No. 23 of receipts,	\$2,145 83
State Aid.	
Received from Commonwealth of Massachusetts, on account of sundry persons, as per item No. 24 of receipts,	\$1,411 27
School Incidentals,	
Received from J. S. Williams, Treasurer, refund of amount approved by School Committee for frames for exhibit of drawings of Newton Schools, as per item No. 25 of receipts,	\$10 00
Suspense Account.	
Received from John A. Kenrick, Treasurer, amount uncalled for by sundry parties for labor on highways, \$23 45 Received premium on Tax Sales, 1 00	
Total, as per item No. 26 of receipts,	\$24 45
Taxes, 1877.	
Balance uncollected Dec. 31, 1881, \$38 00	
Received from sundry persons since Dec. 31, 1881, as per item No. 27 of receipts,	\$38 00
Taxes, 1878.	
Balance uncollected Dec. 31, 1881, \$52 44 Received from sundry persons since Dec. 31, 1881,	
as per item No. 28 of receipts,	\$52 44

\$52 44

Taxes, 1879.		
Balance uncollected Dec. 31, 1881, \$956-88 Received from sundry persons since Dec. 31, 1881, as per item No. 29		
of receipts, 63 36		
Balance uncollected Dec. 31, 1882,	\$893	52
Taxes, 1880.		
Balance uncollected Dec. 31, 1881, \$1,643 75 Received from sundry persons since Dec. 31, 1881, as per item No. 30		
of receipts, 735 81		
Balance uncollected Dec. 31, 1882,	\$907	94
Taxes, 1881.		
Balance uncollected Dec. 31, 1881, \$59,959 30		
Received from sundry persons since Dec. 31, 1881, as per item No. 31		
of receipts, 58,439 88		
Balance uncollected Dec. 31, 1882,	\$1,519	42
Taxes, 1882.		
Amount assessed for State		
Tax, \$32,160 00 Amount assessed for County		
Tax, 12,120 60		
City Tax, 334,525 00		
Supplementary Assessments, 671 00		
Overlay, 4,166 40		
Tax on Non-Resident Bank		
Shares, 1,130 58 		
Received from sundry persons to Dec.		
31, 1882, as per item No. 32 of		
receipts, 325,134 38		

Temporary Loans.

Borrowed during the year by authority of the City Council (in anticipation of taxes), for the payment of current expenses:—

Jan. 6.	Commonwealth of Massachu-
	setts, at 4% per annum, \$20,000 00
Feb. 6.	George W. Ballou & Co., at
	3 3-4% per annum, 50,000 00
May 29.	Boston Five Cents Savings
	Bank, at 3 1-2% per annum, 65,000 00
July 12	Boston Five Cents Savings

Bank, at 3 3-4% per annum, 35,000 00

Aug. 16. Brewster, Bassett & Co., at 3 3-4% per annum, 25,000 00 Dec. 19. Commonwealth of Massachu-

setts, at 3 3-4% per annum, 45,000 00

Total, as per item No. 33 of receipts,

\$240,000 00

Tuition for Non-Resident Pupils.

Received from sundry non-residents, for Tuition, as per item No. 34 of receipts,

\$814 00

United States Street Lighting Co.

Received from United States Street Lighting Co., guarantee deposit on account of contract, as per item No. 35 of receipts,

\$500 00

Water Meters and Service Pipe.

Received from sundry persons, for Service Pipe, Meters, etc., as per item No. 37 of receipts,

\$5,489 45

Water Rates.

Received from sundry persons for use of Water in 1882, as per item No. 38 of receipts,

\$42,432 39

STATEMENT IN DETAIL OF EXPENSES, WITH APPROPRIATIONS, TRANSFERS AND BALANCES.

Alms	shouse	Expenses an	nd Repa	irs.		
Appropriation,			\$7,500	00		
Transferred from rec	eipts,	by order of	" /			
City Council,	• /		300	00		
Additional Appropria	ation, b	oy order of				
City Council,	,		600	00		
,					\$8,400	00
N. D. Moody, service	es as w	arden,	\$600	00		
N. D. Moody, sundry	cash j	payments,	304	87		
John T. Moody, service	ces at 1	Almshouse,	225	00		
Robert H. Hill,	66	"	19	50		
Luella Benner,	"	44	38	00		
Laura A. Moody,	"	66	34	00		
Maggie Close,	66	66	13	00		
Ellen Sherman,	66	66	13	00		
Anna Cormick,	66	66	12	00		
Mary Williamson,	44	44	12	00		
Susan Reed,	"	"	12	00		
J. A. Breck,	66	"	10	00		
Highway Department	t, manı	ıre,	270	00		
H. C. Hoyt, horse,			200	00		
J. M. Fowler, express	wago	n, etc.,	177	56		
Albert Brackett, coal,	,		229	62		
H. W. Spurr & Co.,		ries,	324	30		
H. A. Sherman,	"		47	00		
Henry Callender & C	Co., "		37	75		
B. B. Vassell,	" "		13	56		
W. P. Holden,			2	30		
C. W. Randall, prov	risions,		222	17		
W. Henry Brackett,	66		26	05		
Edward Fisher,	"		18	73		
Scamman & Cook,	"		16	73		
George Bleiler,	".		14	35		
H. W. Crafts,	"		7	02		
						_

\$2,900 51

\$8,400 00

7, 6	43.000	F 4	*0.400.00
Amounts brought forward,	\$2,900		\$8,400 00
Frank Linnell, fish and oysters,	61		
E. Smead & Co., grain, etc.,	137		
Dr. James Utley, medical attendance,	52		
A. Pillsbury, Jr., medicines,	22		
A. James, crackers,	25		
J. F. Brown, Treasurer, rent of pew,	30		
W. H. Mague, house offal,	92		
Tucker Man'f'g Co., iron beds,	64		
A. H. Davenport, "	26		
Everett E. Moody, supplies,	201		
O. F. Lucas, "	145		
Macomber, Bigelow & Dowse, supplies,	14		
F. W. Foster, supplies,		52	
F. Murdock & Co., "		00	
C.W. Learned & Co., "		50	
Leonard Hefflon, "		00	
Ames Plow Co., machine,	50		
J. C. Farrar, material and labor,	34		
J. Pulcifer, " "	5	23	
C. H. Thompson & Co., seeds,	18		
E. L. Crandall, ice,	15	00	
John McDonald, Agent, blacksmithing,		25	
Bullard's Express, expressage,		95	
J. R. McLaughlin, care of sick horse,	5	00	
Milo Lucas, material and labor, addition			
to building,	3,354	01	
Michael Taffe, material and labor,			
addition to building,	72	21	
Martin Hunting, material and labor,			
addition to building,	68	00	
J. O. Evans & Son, material and labor,			
addition to building,	37	04	
McLean & Henderson, material and			
labor, addition to building,	11		
Jerry Cotter, labor, addition to building,	36	00	
		_	
Amounts carried forward,	\$7,512	43	\$8,400 00

Amounts brought forward,	\$7,512	43	\$8,400 00	0
John O. Marrow, labor, addition to				
building,		00		
H. L. Hovey, brick, addition to building,		50		
G. F. Frost, brick, addition to building, Fiske & Coleman, brick, addition to	12	00		
building,	4	00		
The Pettee Machine Works, brick,				
addition to building,		80		
Frank W. Foster, steam heating ap-				
paratus,	720			
Waters & Inman, lime, cement, etc.,	23	78		
George Warren & Co., lime, cement,				
etc.,		12		
C. S. Packard, moving shed,		00		
Waldo Bros., cement,		80		
J. S. Hobbs, lime,	4	40	na	
Total, as per item No. 1 of expense	es,		8,390 88	3
Balance unexpended, transferred into T	reasury	,	\$9 17	7
Balance unexpended, transferred into T Armory Rent and Ex	·		\$9 17	7
Armory Rent and Ex	·		\$9 17 \$1,200 00	
	·		"	
Armory Rent and Ex	penses.	00	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory,	spenses.	00 00	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor,	\$600 250	00 00	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas,	\$600 250 104	00 00	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claffin Guards, amount paid for re-	\$600 250 104	00 00 25 50	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claflin Guards, amount paid for repairs, J. B. Trowbridge, rent of land for rifle range,	\$600 250 104 53	00 00 25 50	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claffin Guards, amount paid for repairs, J. B. Trowbridge, rent of land for rifle range, Corse & Smith, for shades,	\$600 250 104 53 50 42	00 00 25 50 00 00	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claffin Guards, amount paid for repairs, J. B. Trowbridge, rent of land for rifle range, Corse & Smith, for shades, Albert Brackett, for coal,	\$600 250 104 53 50 42 22	00 00 25 50 00 00 95	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claffin Guards, amount paid for repairs, J. B. Trowbridge, rent of land for rifle range, Corse & Smith, for shades, Albert Brackett, for coal, Water Department, use of water,	\$600 250 104 53 50 42 22 16	00 00 25 50 00 00 95 00	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claffin Guards, amount paid for repairs, J. B. Trowbridge, rent of land for rifle range, Corse & Smith, for shades, Albert Brackett, for coal,	\$600 250 104 53 50 42 22 16	00 00 25 50 00 00 95	"	
Armory Rent and Ex Appropriation, O. W. Turner, rent of Armory, B. S. Wetherbee, services as janitor, N. & W. Gas Light Co., gas, Claffin Guards, amount paid for repairs, J. B. Trowbridge, rent of land for rifle range, Corse & Smith, for shades, Albert Brackett, for coal, Water Department, use of water,	\$600 250 104 53 50 42 22 16 16	00 00 25 50 00 00 95 00	"	0

Books, Stationery and	Printin	g.		
Appropriation,			\$2,500	00
Rand, Avery & Co., printing, etc.,	\$408	70	·	
J. C. Clark Printing Co., Auditor's				
Report, etc.,	325	50		
H. M. Stimson & Co., printing and				
advertising,	225	30		
Newton Republican, printing and ad-				
vertising,	179	72		
Transcript Publishing Co., printing and				
advertising,	80	76		
P. T. Bartlett, printing, etc.,	102			
W. S. Varney, "		75		
Fanning Printing Co., printing, etc.,	68	90		- 1
Rockwell & Churchill, "		25		
George H. Pratt, "		50		
R. M. Pulsifer & Co., advertising,	8	38		
Charles H. Stacy, stamped envelopes,				
stamps, etc.,	341	99		
M. R. Warren, stationery and supplies,	341			
Hooper, Lewis & Co., check books, etc.,		20		
Ward & Gay, blank books, etc.,		40		
J. B. Beers & Co., atlas and maps of				
Newton,	53	33		
Boston Daily Advertiser, subscription,		00		
J. Q. Fuller, Boston directories,	20			
Samuel Hano & Co., blank books,		00		
Newtonville Post Office, postal cards,	6	00		
Thomas D. Poole, repairing stamps,	5	00		
A. R. Gay & Co., supplies,		90		
Alfred Mudge & Son, "	4	00		
J. L. Fairbanks & Co., "		00		
Knight, Adams & Co., "		00		
A. W. Mitchell, "		50		
American Writing Machine Co., supplies,		50		
Total, as per item No. 3 of expense	es,		2,499	00
Balance unexpended, transferred into T	`reasury	,	\$1	00

Board of Health.

\$1,200 00

1,200 00

\$2,400 00

Appropriation,

Transferred from Appropriation for Miscellaneous Expenses,

Nathan Mosman, services as Health

	Officer,			\$800	00		
	Nathan Mosman, sundi	y cash	expenses,	. 7	02		
	W. H. Mague, collectin	ng hou	se offal,	800	00		
	W. H. Mague, carriage	s for c	ommittee,	10	00		
	Dr. Albert Nott, profes	ssional	services,	125	00		
	Dr. F. D. Lord,	"	"	38	50		
	Dr. J. R. Deane,	"	"	17	00		
s.	Dr. F. E. Crockett,	"	"	8	50		
	Dr. Eben Thompson,	"	"	8	00		
	Dr. James Utley,	"	"	5	00		
	Arthur Hudson,	"	"	10	00		
	George H. Ingraham,	medici	nes,	7	10		
	Miss Nolan, services a	s nurs	е,	67	20		
	Rand, Avery & Co., pr	inting	reports,	50	00		
	Newton Republican, a	dvertis	sing,	5	75		
	M. McDonald, labor, 1	nen ar	nd teams,	77	00		
	James Gaw, labor,				50		
	James Farrell, "			31	50		
	William Dady, "			28	00		
	James Barrett, "			19	25		
	C. F. Eddy & Co., sup	plies,		30	39		
	O. F. Lucas,	"		26	57		
	E. E. Moody,	"			90		
	Tucker Man'f'g Co., ir	on bed	ls, etc.,		80		
	Putnam & Co., mattre	ss,			00		
	J. E. Cahill, removal o	f dead	l horses,		00		
	C. H. Jenison, use of t	eam, e	etc.,		00		
	Waters & Inman, coal,				50		
	Eben Whitney, carbola	ite of	lime,		50		
	George Campbell, bury	ying do	og,	1	00		
	Total, as per item	No. 4	of expense	s,		2,267	98
	Balance unexpended, t	ransfe	rred into Ti	easury,		\$132	02

Burial Groun	nds.	
Appropriation, Newton Cemetery Corporation, materia and labor,	.l \$128_00	\$200 00
Total, as per item No. 5 of expen		100.00
		128 00
Balance unexpended, transferred into	Treasury,	\$72 00
Conveyance of P	upils.	
Appropriation, Transferred to Appropriation for Eve-	_	\$700 00
ning Schools,	\$99.51	
Transferred to Appropriation for School		
Incidentals,	16 64	
:		39 18
AMBU		<u>\$660</u> 82
A. M. Fuller, J. A. Gould,	\$600 00	#
J. A. Gould,	50 00	
Total, as per item No. 6 of expense	es,	650 00
Balance unexpended, transferred into T	reasury,	\$10 82
Curbing.		
Appropriation,		\$1,200 00
Noah Prescott, curbstone, John A. Kenrick, Treasurer, paid for	\$814 25	\$1,200 00
labor, Highway Department.	319 75	
Boston & Albany Railroad, freight,	66 00	
Total, as per item No. 7 of expense	s,	\$1,200 00
City Hall Expense	es.	
Appropriation, N. & W. Gas Light Co., gas.	\$477 50	\$1,600 00
Albert Brackett, coal,	$342\ 42$	
Amounts carried forward,	\$819 92	\$1,600 00

		,		\$819 92	\$1,600 00
Amounts brought f	orwar	d,		186 45	<i>\$</i> 1,000 00
J. D. Wellington, sur	idry ca	ish expe	nses,	77 00	
Water Department,	use of	water,		11 00	
Lawrence, Wilde &	Co.,	office c	hairs	87 00	
and cushions,		. :	,	87 00	
A. G. Whitcomb,	office	chairs	and	00.55	
cushions,				22 55	
W. H. Stewart, mat		and labo	r,	236 16	
George Fuller,	66	"		44 63	
O. F. Lucas,	"	**		6 75	
Milo Lucas,	"	66		5 80	
J. O. Evans & Son,	66	66		5 18	
W. E. Porter,	66	66		5 18	
L. J. Kendall, ice,				45 00	
R. Hollings & Co.,	gas fi	xtures,		25 65	
C. H. Jenison; expi	ressage	е,		15 15	
Smith & Co., desk,				15 00	
Thomas Canfield, e	mptyi	ng cessp	oool,	9 00	
Irving & Bates, cle	aning	carpets,		8 90	
H. M. Darling & C	Co., Ya	ale lock,		3 00	
Sundry small bills,				4 25	
					1,622 57
Total, as per i	tem N	o. 8 ot	expens	ses,	1,022 01
Balance overdrawn	trans	forred i	nto Tr	easury.	\$22 57
Balance overgrawn	, trans	ierrea i	1100 11	easary,	
	City I	Engineer	r's Der	partment.	
	City	niginioo,			\$5,600 00
Appropriation,		C'L E		- #1 000 00	φο,σοσ τ
Albert F. Noyes, ser	vices a	IS CITY E	ngmee	885 00	
Harry D. Woods,	46	Ass't	"	870 00	
Fred. H. Barnes,	"	"	"	765 00	
Wm. S. French,		"	66	400 00	
I.W. Hastings,		"	"	300 00	
Wm. P. Morse,	"	"	"	80 00	
Arthur Woodruff,	66	"	"	41 00	
Stephen Child,	"			41 00	
Amounts carried	form	ard		\$5,241 00	\$5,600 00
Amounis carried	joral			,	

Amounts brought forward,	\$5,241 00	\$5,600 00
Incidental repairs, travelling exper	ises.	\$0,000 00
etc., of Engineer and Assistan	ts, 207 49	
C. Decker, hay,	187 41	
Frost & Adams, supplies,	66 70	
H. M. Darling & Co., "	27 63	
Thomas Hall, "	25 - 00	
A. S. Morss, "	12 00	
Hektograph Man'f'g Co., supplies,	7 00	
P. A. McVicar, material and labor,	37 00	
Milo Lucas, " "	$22 \ 50$	
W. H. Mague, use of horse,	22 00	
Stephen F. Cate, "Charles C. Tinl I.	9 00	
Charles G. Tinkham, "	4 50	
J. R. McLaughlin, care of sick horse		
C. L. Berry, clipping horse, C. H. Jenison, expressage,	3 00	
c. 11. Jenison, expressage,	1 75	
Total, as per item No. 9 of exp	penses,	5,883 98
Balance overdrawn, transferred into	Treasury,	\$283 98
Drains and C	ulvarte	
Appropriation,	urverts.	
John A. Kenrick, Treasurer, labor, m	On:	\$15,000 00
and teams, Highway Departmen		
F. E. Hamblin, drain pipe, etc.,	t, \$7,142 07 1,589 02	
Noah Prescott, covering stone,	667 66	
John Keating, stone,	107 69	
H. W. Clapp & Co., sewer caps,	489 50	
Boston & Albany Railroad, freight.	389 00	
The Pettee Machine Works, sewe	er	
grates, etc.,	314 98	
J. S. Hobbs & Co., cement,	177 00	
G. Fuller & Son, lumber,	112 71	
J. McFadden, blacksmithing.	102 00	
E. Keegan, "	82 15	
Amounts carried forward,	\$11,166 78	\$15,000 00



Amounts brought forward,	\$11,166 78	\$15,000 00
C. H. Hurd, paid for rubber boots and	l	
express,	27 30	
G. A. Goodyear, powder and fuse,	24 00	
Simpson Bros., concreting,	$23 \ 09$	
Bagnall & Loud, block, etc.,	$22 \ 40$	
A. S. Morss, spikes,	7 00	
Samuel D. Garey, material and labor,	136 69	
Milo Lucas, " "	55 62	
Allen Jordan, " "	27 25	
Higgins & Nickerson, " "	4 80	
Est. Orrin Whipple, " "	3 23	
Walworth Man'f'g Co., "	2 69	
Total, as per item No. 10 of expe	enses,	11,500 85
		#9.400.15
Balance unexpended, transferred into	Treasury,	\$3,499 15
Evening Sch	ools	
Evening Scho		
Appropriation,	\$550 00	
Transferred from Appropriation for		
Industrial and Mechanical Drav		
ing,	50 33	
Transferred from Appropriation for		
Conveyance of Pupils,	22 54	\$622 87
Levi F. Warren, teacher,	\$138 00	φ0 22 Ο Γ
Levi F. Warren, teacher, Emma B. Wilkins, "	69 00	
M. Alice Warren, "	69 00	
Ellen S. Tewksbury, "	37 50	
Gertrude G. Tewksbury, "	37 50	
Nellie P. Warren, "	31 50	
Nellie B. Rand, "	31 50	
Nellie M. Hart, "	30 00	
Fannie A. Brackett, "	24 00	
Charlotte M. Wilkins, "	19 50	
John McCamman, janitor,	34 50	
	\$ 522 00	\$622 87
Amounts carried forward,	p044 00	ψ 022 0 (

Amounts brought forward,		\$522	00	\$622-87
Edward Pike, material and	d labor,	21	36	
H. F. Wellington, "	"	19	74	
Orrin Whipple, "	"	13	64	
Knight, Adams & Co., supp	lies,	23	61	
N. & W. Gas Light Co., gas		13	00	
Newton Graphic, advertising			50	
Thompson, Brown & Co., b			02	
George W. Lane, printing c	ards,	3	00	
Total, as per item No.	11 of exp	enses,		\$622 87
Fir	e Departr	ment.		
Appropriation,		\$23,000	00	
Additional Appropriation, b	y order			
City Council,		73	00	#39.0ma.00
Henry L. Bixby, Chief of				\$23,073 00
Department,	\$1,300 0	0		
William Bemis, Ass't Chief	p_,	_		
of Department,	300 0	0		
		- \$1,600	00	
Stea	mer No	. 1.		
E. E. Judkins, Engineer,	\$949 9	6		
H. C. Lindley, Substitute	ir			
Engineer,	36 5	4		
John Perkins, Substitute				
Engineer,	2 6	0		
F. H. Harrington, Driver,	$750 \ 0$	0		
Charles A. Peck, Substitute				
Driver,	28 8			
H. C. Lindley, Stoker,	91 6	6		
P. C. Carroll, Substitute	0.0	0		
Stoker,	8 3			
F. D. Graves, Foreman,	90 0			
Amounts carried forward,	\$1,957 93	B \$1,600	00	\$23,073 00

Amounts brought forward, \$	1,957	93 \$1	1,600	00	\$23,073	00
C. W. H. Boulton, Assistant Foreman,	75	00				
Geo. W. Boyd, Secretary,	75					
E. P. Burnham, Hoseman,	70					
R. J. Morrisey, "	70					
George S. Noden, "	70					
Charles F. Smith, "	70					
P. C. Carroll, "	64					
P. McGrath, "	55 -					
P. Y. Hoseason, "	40 8	83				
Frank Everett, "	29					
O. A. Chick, "	17	50				
,		<u> </u>	2,594	97		
Stear	mer N	o. 2.				
R. S. Cummings, Engineer,	\$949	96				
H. C. Lindley, Substitute	фото	00				
Engineer,	36	54				
C. L. Berry, Driver,	750					
C. A. Peck, Substitute Driver,	13 3					
T. F. Quilty, " "	16 -					
W. M. Lucas, Stoker,	100					
Geo. H. Haynes, Foreman,	90	00				
F. H. Humphrey, Assistant						
Foreman,	75	00				
W. F. Rand, Secretary,	75	00				
J. Q. A. Hawkes, Hoseman.	70	00				
H. A. Waterhouse, "	70	00				
F. T. Burgess, "	70	00				
C. J. Crowley, "	70	00				
T. W. Alfred, "	70	00				
G. K. Stacy, "	67 (9				
T. F. Quilty, "	58	33				
C. V. Knowles, "	14	58				
			2,596	37		
		1 -				

\$6,791 34 \$23,073 00

Steamer No. 3.

Diod.		
A. D. Colby, Engineer,	\$949 96	
C. A. Peck, Substitute Engi-		
neer,	36 54	
A. C. Jewett, Driver,	750 00	
C. A. Peck, Substitute Driver,	28 84	
W. A. Thompson, Stoker,	75 00	
A. J. Roach, "	25 - 00	
A. I. English, Foreman,	75 00	
G. F. Richardson, Foreman		
and Assistant Fore-		
man,	77 50	
S. F. Chadbourne, Assist-		
ant Foreman and Sec-		
retary,	75 00	
Daniel McDonald, Secre-		
tary and Hoseman,	70 83	
C. B. Garey, Hoseman,	70 00	
William Bliss, "	70 00	
T. R. Frost, "	70 00	
E. Frost, "	70 00	
C. A. Peck, "	35 00	
C. Polley, "	35 00	
George Webb, "	29 17	
W. A. Thompson, "	17 50	
George Peavey, "	17 50	
H. K. Chadbourne, "	14 59	
A. J. Roach, "	11 67	
		2,604 10

Hook and Ladder No. 1.

Charles Murphy, Driver,	\$750	00
J. E. Watson, Substitute		
Driver,	52	53
W. S. Higgins, Foreman,	90	00

Amounts carried forward, \$892 53 \$9,395 44 \$23,073 00

Amounts brought forward, \$892 53 \$9,395 44 \$23,073 00

2211101111110 010118111	jor warre,	# 00 =	.,,,	<i>ψ</i> 0,000	1. 1.	$\varphi = 0, 0 + 0$	00
John Murphy, Ass't	Foreman,	62	50				
F. B. Sisson, Assista	int Fore-					•	
man and Ladd	erman,	72	50				
B. F. Barlow, Secre	etary,	75	00				
J. H. Williams, Lado	derman,	70	00				
J. H. Gilman,	"	70	00				
Osmore Dow,	"	70	00				
J. E. Watson,	66	70	00				
Joseph B. Watt,	"	70	00				
T. C. Nickerson,	46	35	00	•			
A. B. Sparrow,	46	58	33	•			
H. J. Williams,	66	46	68				
C. Perry,	44	23	32				
John Beal,	66	11	67				
C. Coleman,	66	11	67				
				1,639	20		
	Hos	e Co.	No	. 4.			
E. C. Waterhouse, Fo	,	\$90	00				
Joseph Fontaine, A							
Foreman and S	- · ·		00				
John Deary, Hosen	nan,	70					
J. F. Horrigan, "			00				
E. P. Bessie, "		70					
F. A. Dexter, "		52	50				
Daniel Archibald, H	Ioseman,	17	50	~	0.2		
				445	00		
		e Co.	_	. 5 .			
William F. Soule, Fo		\$90	00				
Charles A. Drake, A							
Foreman and S	-	75					
Dennis O'Donnell, I	Hoseman,	70					
Frank Washburn,	66	. 49					
Merrill Taylor,	"		83				
John Fanning,	66	17					
C. A. Parsons,	66	17	50	200	4.9		
				360	40		
Amounts carried	forward,			\$11,840	07	\$23,073	00

Amounts	hrought	forward,
Amounis	Ulugiu	joi wuitu,

\$11,840 07 \$23,073 00

Hose Co. No. 6.

R. H. Moulton, For	eman,	\$30	00
Bernard Early, Fo	oreman		
and Secretary,		85	00
Charles S. Morse, As	ssistant		
Foreman and Sec	cretary,	73	33
Wm. B. Kenney, Hos	seman,	70	00
Benj. C. Fisher,	"	46	67
Fred. H. Smith,	44	46	67
Daniel J. Corcoran,	"	23	33
J. J. Cunningham,	46	23	32
J. J. Kenney,	"	23	32

421 64

Hose Co. No. 7.

W. S. Cargill, Fore	man,	\$90	00
Harley A. Smith, A	ssistant		
Foreman and Se	ecretary,	75	00
J. E. Trowbridge, Ho	oseman,	70	00
J. T. Thomason,	44	70	00
A. M. Fuller,	44	70	00
A. E. Easterbrook,	"	70	00
	-		

445 00

Fourteen Firemen, extra service, July 4,

42 00

Repairs, Supplies and Incidentals.

- · · · · · · · · · · · · · · · · · · ·		
E. Ham & Co., exchange on horses,	1,475	00
David Jackson, " "	50	00
H. W. Crowell, grain,	1,046	62
Taylor & Tupper, "	543	53
E. Smead & Co., "	543	20
C. F. Eddy & Co., "	504	76
G. M. Coolidge, hay,	102	48
Water Department, use of water,	189	50

Amounts carried forward,

\$17,203 80

\$23,073 00

Amounts brought forward,	\$17,203	80	\$23,073 00
N. & W. Gas Light Co., gas,	160	25	
Albert Brackett, coal and wood,	895	54	
C. F. Eddy & Co., ""	34	25	
Hills & Bullens, " "	31	00	
T. W. Nickelson, " "	7	35	
Daniel Warren, " "	3	50	
Almshouse Department, wood,	36	00	
Dr. J. R. McLaughlin, attendance			
upon sick horses,	187	75	
Dr. E. F. Thayer, attendance upon			
sick horses,	47	75	
Dr. J. H. Stickney, attendance upon			
sick horses,	12	00	
Henry L. Bixby, sundry cash expenses,	118	56	
Manchester Locomotive Works, repair-			
ing engine, etc.,	366	95	
Timothy Stuart, use of teams,		59	
W. H. Mague, " "		00	
Geo. W. Bush, " "		25	
Stephen F. Cate, " "	28		
William Weir, " "	24		
D. Harrington & Son, use of teams,	22		
John Hackett, " "		75	
Cairns & Bro., helmets,		80	
F. E. Jenison, soap,		00	
The American Fire Hose Man'f'g			
Co., play pipes, etc.,	54	00	
James Boyd & Sons, repairing hose,			
etc.,	53	25	
W. C. Smith, quick hitches, etc.,	40		
Walworth Man'f'g Co., repairing valve,		00	
Charles Murphy, extra labor at H. & L.	20		
house,	94	84	
F. H. Harrington, amount paid for			
substitute driver,		69	
Substitute differ,			
Amounts carried forward,	\$19,658	87	\$23,073 00

Amounts brought for	rward,		\$19,658	87	\$23,073	00
C. H. Jenison, express	sage,			76		
William Bemis and ot	hers, ext	ra labor,	19	00		
J. L. Randall, clear	ing sno	w from				
hydrants,			18	03		
O. W. Turner, rent of	rooms,		17	00		
J. E. Watson, labor at	H. & L	. house,	15	00		
W. H. Bustin, horse of	ollars,		13	00	*	
Sherburne & Co., cott	on waste	Э,	11	50		
J. Wesley Kimball,	cash p	aid for				
freight,	_		11	20		
C. F. Shourds & Co.,	feather	dusters,	10	13		
Leander Barber, broom			10	0.0		
L. J. Kendall, ice,	·		9	00		
George H. Ellis, "			7	50		
Howard Bros., "			5	40		
F. O. Dewey & Sons,	red glob	es,	7	50		
Lustralis Man'f'g Co.,	_	,	7	25		
F. E. Judkins, sundry	cash exp	penses,	5	20		
Christ Hoell, pattern,			5	00		
W. D. Bickford & Sor	, emory	cloth,	4	32		
Mrs. Sumner Shattuck	, repairii	ng coats,	3	00		
William Welch, ma	terial an	d labor,	75	05		
J. Carroll,	"	"	72	72		
Scott & Maher,	"	"	35	90		
B. F. Barlow,	"	66	28	10		
George Fuller,	"	66	28	00		
F. H. Humphrey, Ag't,	66	"	25	85		
P. Y. Hoseason,	"	"	25	00		
J. C. Farrar,	"	"	19	25		
Higgins & Nickerson,	"	"	12	63		
M. S. Hodgson,	"	"	12	10		
P. A. McVicar,	"	"	8	75		
A. W. Ward,	"	66	7	75		
A. W. Snow,	66	44	7	55		
D. W. Brownell,	"	66	7	35		
					•	

\$20,223 66 \$23,073 00

Amounts brought forward,	\$20,223	66	\$23,073 00
Charles E. Berry, material and lal	bor, 6	45	
W. F. Rand, " "	6	25	
J. Pulcifer, " - "	6	00	
W. H. Stilson, " "	4	65	
Charles A. Cole, " "	4	00	
Theo. Clauss, labor,	7	87	
James Humphrey, "	6	00	
T. Mead, "	4	75	
Cornelius Madden, "	3	00	
Bishop & Bro., ladder,	4	00	
Mrs. William Bliss, laundry work,	49	25	
Mary A. Crowley, "	46	05	
Mrs. F. B. Reed,	36	35	
F. H. Harrington, "	35	94	
Charles Murphy, "	35	12	
Harley A. Smith, "	24	51	
Margaret Smith, "	17	88	
Mrs. E. C. Holmes, "	3	44	
J. A. & W. Bird & Co., supplies,	26	30	
Sabin & Page, "	25	75	
H. E. Woodbury, "	21	74	
Isaac H. Snow, "	17	29	
C. W. Morehouse, "	17	03	
Arthur Hudson, "	15	66	
R. A. Ripley, "	11	73	
H. M. Darling & Co., "	11	01	
J. E. Trowbridge, "	8	52	
B. F. Houghton, "	8	03	
Thayer & Stiles, "	6	56	
Wellington Bros., "	6	21	
J. J. Noble, "	5	93	
T. R. Frost,	5	57	
G. Wadleigh, "	4	98	
G. H. Ingraham, "	3	82	
F. Murdock & Co., "	3	13	
Sundry small bills, "	76	74	
Amounts carried forward,	\$20,801	17	\$23,073 00

Fire Alarm Telegraph.

G. W. Ulmer, Fire Alarm			
	\$1,000	00	
Edwin Rogers, five signal			
boxes, etc.,	528	70	
Thomas Gooch, telegraph			
poles,	175	00	
Washburn & Moen Man'f'g			
Co., wire,	118		
J.A.&W.Bird & Co., supplies,	201		
Stearns & George, "	154		
Moses G. Crane, "	6	25	
F. H. Humphrey, Agent,			
material and labor,	221	76	
Milo Lucas, material and	2.0		
labor,	22	01	
Charles A. Cole, material			
and labor,	20	00	
J. C. Farrar, material and	^	* 0	
labor,	8	53	
C. S. Phillips, material and		• •	
labor,	6	52	
William Petigrew, material	0		
and labor,		51	
S. L. Pratt, use of teams,		75	
William Weir, "	12		
N. & W. Gas Light Co., gas,	11	75	
Dillingham's Express, ex-		0.0	
pressage,		30	
Charles Dolan, labor,	91		
C. A. Feck,	21		
John McCartny,	47		
James Coleman, "	24		
John Barrett,	21		
John O'Neil,	12	25	

Amounts brought forward, \$2,731	1 22 \$20,801 17 \$23,073 ()()
Thomas Gahan, 1	0 50	
Michael Foley, 1	0 50	
Sundry small bills, 1	7 48	
	2,769 70	
Total, as per item No. 12 of	expenses, 23,570 8	37
Balance overdrawn, transferred in	to Treasury, . \$497 8	39
Gravel	Land.	
Appropriation,	\$1,500 (00
Heirs of Caleb Crafts, gravel,	\$48.75	
William Wiswall, gravel and stone		
Benjamin Bourne, "	28 40	
S. A. & E. H. Craft, "	18 75	
F. E. Hamblin, sand,	12 25	
Methodist Society, Newton Upper F		
gravel,	12 00	
M. M. Russell, stone,	25 40	
E. W. Green, "	25 00	
Michael Lester, "	20 00	
Wm. F. Harbach, "	13 80	
W. W. Hayes, "	10 00	
F. D. Von Euw, "	5 00	
Timothy Feeley, "	4 00	
Total, as per item No. 13 of o	expenses, 259 a	39
Balance unexpended, transferred	into Treasury, \$1,240 6	- 31
,	, , , , , , , , , , , , , , , , , , ,	
Highways.—Gen	neral Repairs.	
Appropriation,	\$55,000 (00
William E. Fuller, Sup't of Streets	\$1,400 00	
John J. Ware, Ass't Sup't of Stree	ets, 860 75	
John A. Peck, " "	860-75	
George E. Stuart, " "	794 00	
Amounts carried forward,	\$3,915 50 \$55,000 0	00









Amounts brought forward, John A. Kenrick, Treasurer, amount	\$3,915	50	\$55,000 00
paid laborers upon highways, as per pay-rolls,	25,252	00	
John A. Kenrick, Treasurer, amount	20,202	00	
paid laborers on discharged tick-			
ets,	6,864	00	
Albert Brackett, grain, etc.,	1,381		
C. F. Eddy & Co., "	1,171		
E. Smead & Co., "	908		
Almshouse Department, hay and straw,	424		
Waters & Inman, hay, etc.,	374		
Granville Miles, hay,	220		
Harriot Stone, "	154		
H. P. Stickney, "	94		
G. M. Cooledge, "	83		
Conrad Decker, "	80		
George R. Collins, "	75	66	
H. W. Crowell, "	53	11	
Johnson & Keyes, . "	48	47	
Levi Miles, "	37	26	
Cyrus Conant, "	32	00	
L. Chadwick, "	23	62	
George D. Dix, hay and straw,	173	07	
S. M. Jackson, hay, straw, etc.,	130	23	
M. C. Morrill, hay and straw,	73	76	
R. M. Flint, " " "	53	06	
J. N. Bacon, straw,	75	43	
A. O. Armstrong, "	31	39	
W.C.Strong & Co., "	28	28	
William Stearns, "	24		
John Coffee, "	14		
E. Ham & Co., exchange on horses,	687		
David Jackson, "	637		
W. F. Bowler & Co., "	556	-	
M. W. Stimson, "	150	00	
Amounts carried forward,	\$43,832	97	\$55,000 00

Amounts brought forward,	\$43,832	97	\$55,000 00
John Hargedon, bay mare,	300		<i>T</i> 2
L. E. Hartshorn, gray horse,	190	00	
J. R. McLaughlin, attendance upon			
sick horses,	371	25	
E. F. Thayer, attendance upon sick			
horses,	11	75	
J. H. Stickney, attendance upon sick			
horses,	18	00	
John J. Ware, use of horse and car-			
riage,	200	00	
W. H. Mague, use of teams, etc.,	382	50	
John Hackett, "	22	50	
Timothy Stuart, "	19	00	
M. McDonald, "	14	00	
F. Jones, "	36	75	
F. N. Woodward, "	28	00	
Charles Esty, "	18		
James E. Cahill, "	17	50	
Harris Express, "	17	50	
Geo. W. Bush, horse and carriage hire,	19		
Stephen F. Cate, "	8	00	
C. H. Hurd, expressage, etc.,	31	71	
C. H. Jenison, "	22	27	
Farrel Foundry and Machine Co.,			
stone crusher, etc.,	999	26	
Kendall & Roberts, engine, boiler, etc.,	696	66	
W. E. Johnson, road machine,	150	00	
H. M. Darling & Co., tools, etc.,	296	09	
Joseph Breck & Sons, "	162	35	
Parker & Gannett, "	160	25	
Ames Plow Co., "	6	00	
Simpson Bros., concrete crossings, etc.,	913	75	
Noah Prescott, stone,	834	41	
Benj. Bourne, "	58	75	
N. & W. Gas Light Co., coal and gas,	467	76	

\$50,306 53 \$55,000 00

Amounts brought j			\$50,306 53	\$55,000 00
Water Department,	use of w	ater,	139 78	,
Boston & Albany Ra	ailroad, f	freight,	191 72	
J. C. Farrar, blacks	mithing,		807 28	
Andrew Peters,	"		792 31	
P. A. Murray,	46		710 33	
Thomas Belger,	66		277 24	
B. F. Barlow,	46		$220 \ 00$	
J. Pulcifer,	"		179 77	
Charles A. Cole,	66	4	170 92	
A. Danforth, Ag't,	"		161 37	
M. Nugent,	"		156 74	
Scott & Maher,	"		113 42	
J. McFadden,	66		58 85	
D. McDonnell,	"		58 35	
J. E. Keegan,	"		35 00	
P. A. McVicar,	"		13 53	
J. L. Knox,	66		8 22	
S. D. Garey, m	aterial a	nd labor,	980 89	
J. Carroll,	46	"	291 51	
William Petigrew,	"	"	210 49	
T. F. Glennan,	66	66	108 95	
C. S. Phillips,	44	66	105 38	
W. F. Rand,	"	66	99 75	
George Fuller,	66	44	91 01	
Higgins & Nickerson	, "	66	84 16	
V. Haffermehl,	66	"	74 42	
P. Y. Hoseason,	66	"	62 35	
F. & W. Clark,	"	"	56 00	
James Smalle,	66	"	45 00	
W. E. Porter,	66	"	43 52	
M. S. Hodgson,	"	66	43 15	r
A. W. Snow,	"	66	41 17	
J. O. Evans & Son,	"	"	35 38	
Cranitch & Horrigan,	"	. 6	34 30	
H. L. White,	"	"	33 75	
		-		

Amounts brought for	ward,		\$56,842	54	\$55,000	00
William Welch, ma	terial a	nd labor,	32	87		
S. P. Clark,	66	66	32	74		
D. W. Brownell,	66	66	31	80		
Isaac Smith,	66	66	26	95		
G. B. Randall,	66	44	19	25		
L. M. Ham & Co.,	"	66	19	10		
O. B. Leavitt,	66	66	18	10		
William Johnson,	66	66	12	25		
W. H. Stilson,	66	"	13	45		
W. L. Smith,	66	6.6	12	21		
R. Arnold,	66	"	8	41		
Allen Jordan,	66	66	8	22		
L. A. Gammans,	66	66	7	94		
W. H. French & Co.,	44	"	6	98		
A. B. Sparrow,	66	66	6	50		
A. J. Fiske & Co.,	66	44	6	47		
Orrin Whipple,	44	66	6	34		
Adam Beck,	44	66	6	30		
P. Carbry,	. "	66	4	75		
Rockwell & Moseley,	powder,	etc.,	105	50		
George A. Goodyear,		66	45	70		
H. Whitney, chestnut	posts,		55	00		
W. H. Bustin, horse co	ollars,		34	25		
A. E. Burton & Co., he	orse bru	ushes,	26	00		
W. L. Dudley, curry co	ombs,		12	00		
Daniel McNamara, wo	od,		34	50		
Cousens Bros., coa	al, etc.,		94	50		
Geo. Warren & Co.,	66		26	65		
Trowbridge & Hill,	66		18	27		
C. F. Eddy & Co.,	66		18	08		
T. W. Nickelson,	66		8	00		
Albert Brackett,	66		7	83		
J. W. Pearson,	66		3	50		
Waters & Inman,	66		5	60		
E. G. Johnson, use of	pasture,	,	33	50		
Amounts carried for	ward,		\$57,652	05	\$55,000	00

Amounts brought ford	vard,	\$57,652	05	\$55,000 00
Philip Moffat, use of pa		10	00	
Vacuum Oil Co., oil,		28	00	
E. T. Milliken & Co., "		18	10	
Leonard & Ellis, "		6	25	
Butchers' Slaughtering	and Melting			
Association, oil,		5	75	
Frazer Lubricator Co.,	axle grease,	3	52	
Leander Barber, broom	s,	12	50	
Gilkey & Stone, lumber	,	10	36	
C. McBride, chain,		4	00	
C. W. H. Moulton & C	o., ladder,		52	
C. A. Purdy, material a	nd labor,	3	50	
R. J. Morrisey, "	"		25	
Boston Belting Co., pac	cking,	3	30	
C. L. Berry, clipping ho	orse,	3	00	
Sabin & Page, su	pplies,	142		
J. A. & W. Bird & Co.,	"	52	00	
B. F. Houghton,	"	50	16	
C. W. Morehouse,	44	48	11	
Isaac H. Snow,	"	40	89	
Howe & French,		36	52	
Blanchard & Atkins,	"	31	13	
Thayer & Stiles,	"	28	98	
Jenkins Bros.,	"	24	30	
G. Wadleigh,	"		56	
John Mulliken & Co.,	"	22	48	
Thomas Hollis,	44	16	50	
Arthur Hudson,	"	14	37	
W. O. Knapp & Co.,	"	14	26	
Sherburne & Co.,	"	9	45	
Dodge, Gilbert & Co.,	"	9	05	
H. W. Fanning & Son,	"	8	77	
J. E. Trowbridge,	"	5	21	
S. S. Pierce & Co.,	"	5	00	
S. R. Perkins,	44	5	00	
Amounts carried forte	vard,	\$58,355	09	\$55,000 00

Amounts brought forward	d, \$58,355	09 \$	55,000	00
John S. Sumner, supplies,	3	85		
Alfred Howes, "	3	29		
J. J. Noble, "	3	00		
T. R. Frost, "	3	59		
Sundry small bills,	48	13		
Total, as per item No.	14 of expenses,	\$	58,416	95
Balance overdrawn, transfe	erred into Treasury,	-	\$3,416	95
Highways.—W	idening and Improv	ements.		
Appropriation,			\$5,000	00
John A. Kenrick, Treasur	er, amount			
paid for labor and tea	ams, as per			
pay-rolls,	\$4,829	13		
Heirs of C. P. Harbach,	_			
and removing wall,		00		
C. H. & A. F. Ireland, m				
labor,		97		
Samuel D. Garey, material	and labor, 35	90		
Total, as per item No.	15 of expenses,		\$5,000	00
Improvem	ent on Public Squar	es.		
Appropriation,	8		\$500	00
Arthur Muldoon, material	and labor,			
Centre Green,	\$350	00		
J. Wesley Kimball, trees,	etc., Wash ¹			
ington Park,	50	00		
W. E. Porter, repairing fen	ce, 4	00		
Total, as per item No.	16 of expenses,		404	00
Balance unexpended, trans	ferred into Treasury	,	\$96	00
Interest on City Loa	ans, Temporary and	Permanen	nt.	
Appropriation,	*		27,000	00
Commonwealth of Massach	usetts, \$15,484			
Amounts carried forward	\$15,484	74 \$	27,000	00

Amounts brought forw City Institution for Savi Boston Five Cents Savi Municipal Bonds, Brewster, Bassett & Co., Kenrick Fund,	ngs, Lowell, ngs Bank,	\$15,484 4,800 3,990 1,700 218 30	00 54 00 75	\$27,000	00
Total, as per item 1	No. 17 of expe	nses,		26,224	27
Balance unexpended, tra	. \$775	73			
Inte	erest on Water	Bonds.			
Appropriation, National Bank of the Co		,	00 00	\$49,700	00
Total, as per item N	No. 18 of expe	nses,		49,600	00
Balance unexpended, tra	insferred into	Treasury,		\$100	00
Indige	ent Soldiers ar	d Sailors			
Appropriation, Samuel Wallis, Levi Harrison, Rasselas W. Ireland, Albert P. Bugbee, John N. Nichols, John F. Franklin, John Curtin, Franklin D. Hill, James H. Lockley, William Jelly, Daniel Sullivan, Joshua C. Hamblin, William Leonard,		\$114 112 96 96 96 88 72 68 66 10 8	00 00 00 00 00 00 00 00 00	\$1,200	00
Total, as per item N	No. 19 of expe	nses,		836	00
Balance unexpended, tra	insferred into	Treasury,		\$364	00

Industrial and Mechanic	cal Draw	ving.		
Appropriation,	\$300	00		
Transferred to Appropriation for Evening Schools,	50	33	#• <u>0</u> 10	67
Henry N. Mudge, services as teacher, Knight, Adams & Co., supplies,	\$187 61	92 75	\$249	01
Total, as per item No. 20 of expenses,			\$249	67
Land Damage	es.			
Appropriation,			\$2,000	00
Newtonville M. E. Church, land on Bowers Street,	\$500	00		
Dr. F. E. Porter, land on Auburn Street,	400	00		
Joseph W. Stone, land on Washington				
Street,	30	00		
Total, as per item No. 22 of expenses,			930	00
Balance unexpended, transferred into Treasury,			\$1,070	00
Memorial Day.				
Appropriation,		2.0	\$300	00
Charles Ward Post No. 62, G. A. R.,	\$300			
Total, as per item No. 23 of expenses,			\$300	00
Miscellaneous Exp	enses.			
Appropriation, Transferred to Appropriation for Board	\$10,000	00		
of Health, by order of City Council,	1,200	00	\$8,800	00
Water Department, use of water, water- ing streets, Water Department, use of water, water-	\$1,478	14		
ing troughs, etc.,	800	00		
Amounts carried forward,	\$2,278	14	\$8,800	00

Amounts brought forward,	\$2,278_14	\$8,800 00
Timothy Stuart, watering streets, Wards 1 and 7,	600 00	
W. H. Mague, watering streets, Wards	3,3	
3 and 4,	600 00	
B. McFadden, watering streets, Ward 2,	300 00	
Arthur Muldoon, watering streets, Ward 6,	150 00	
W. S. Slocum, sundry expenses in		
suits, etc.,	300 00	
Peter Thacher, sundry expenses in	200 02	
suits, etc., W. O. Robson, services as reporter,	298 92	
Aston suit,	218 75	
Shedd & Sawyer, services in suit,		
Lemon vs. City,	40 00	
F. G. Barnes, services in suit, Lemon		
vs. City,	$25 \ 00$	
J. M. W. Yerrington, services in behalf	27 50	
City Solicitor, Dr. W. H. Hildreth, services in behalf	21 30	
City Solicitor,	10 00	
John Purcill, services in behalf City		
Solicitor, etc.,	7 00	
Minnie Conlan, services in behalf City	4 -	
Solicitor,	4 73	
J. French & Son, invalid tax title and expenses,	248 06	
Seth Davis, invalid tax title and ex-	210 00	
penses,	36 26	
Newton Athenæum, aid for reading		
room,	. 250 00	
George E. Bridges, services collecting account of births,	210 00	
Suburban Telephone Co., rental of		
instruments,	326 85	
Amounts carried forward,	\$5,931 21	\$8,800 00

Amounts brought forward,	\$5,931	21	\$8,800 00
Middlesex Telephone Co., messages, etc.,	20	60	
John Doody, award of damages, defec-	20	00	
tive highway,	200	0.0	
Maria J. Leighton, award of damages,	-00		
change of grade, Winter Street,	150	00	
George F. Morgan, abstract of deeds			
for assessors,	122	24	
R. M. Lucas, serving warrants, collect-			
ing taxes, etc.,	143	25	
M. C. Laffie, serving warrants, collect-			
ing taxes, etc.,	106	75	
Rand, Avery & Co., voting lists, etc.,	184	50	
J. D. Wellington, services on voting			
lists,		00	
J. C. Whitney, services on voting lists,		0.0	
E. D. Brooks, trimming trees,	118	75	
Samuel M. Jackson, use of team,			
assessing taxes,	80	00	
American Writing Machine Co., writ-		0.0	
ing machine,	70	00	
Theo. C. Hurd, Clerk of Middlesex	4.0	-0	
Courts, costs in Lemon suit,	40	50	
Charles B. Stevens, Register, recording	ω	50	
tax deeds,	2	50	
Charles H. Stacy, supplies, telegrams,	100	16	
etc.,		20	
Benj. F. Otis, sundry cash expenses, Edwin O. Childs, ""		47	
Isaac Hagar, " etc.,		60	
John A. Kenrick, " "		57	
H. M. Stimson & Co., advertising tax	11	0,	
sales, etc.,	190	57	
Transcript Publishing Co., advertising			
warrant for election, etc.,	80	00	
Amounts carried forward,	\$7,954	17	\$8,800 00
Amounts carried forward,	\$1,004	11	\$0,000 00

Amounts brought forward,	\$7,954	17	\$8,800 00
Newton Graphic, advertising warrant			
for election, etc.,	32	25	
George H. Pratt, advertising warrant			
for election, etc.,	25	25	
Newton Republican, advertising war-			
rant for election, etc.,	19	25	
John A. Kenrick, Treasurer, labor,			
Highway Department, trimming			
trees,	81	25	
George W. Bush, carriages, Memorial			
Day, etc.,	93	00	
S. F. Cate, carriages, Memorial Day, etc.,	78	00	
W. H. Mague, use of teams,	44	75	
Nonantum Stables, "	32	0.0	
D. Harrington & Son, "	10	00	
S. F. Hatchard, "	5	00	
William Weir, "	3	00	
S. L. Pratt, "	2	50	
Mrs. A. D. Wood, floral designs, funeral			
of Alderman Bowen,	40	00	
Edwin Fewkes, bouquets, etc., Memorial			
Day,	24	70	
Ira and F. E. Wallingford, making			
return of deaths,	18	50	
John A. Peck, making return of deaths,		25	
James McGourty, " "		00	
John Flood, " "	7	50	
Washburn & Moen Man'f'g Co., wire			
for telegraph extension,	114	21	
Stearns & George, supplies for tele-			
graph extension,	32	65	
M. G. Crane & Co., supplies for tele-			
graph extension,	9	38	
Charles A. Cole, supplies for telegraph			
extension,	3	00	
Amounts carried forward,	\$8,665	61	\$8,800 00
Amounts currica forwara,	\$0,000	OI	\$0,000 00

Amounts brought forward,	\$8,665	61	\$8,800	00-
Chas. Dolan, labor, telegraph extension,	28	00	,	
John McCarthy, " "	3	50		
Thomas Gahan, " "	3	50		
Michael Foley, " "	3	50		
James Coleman, " "	3	50		
Boston Safe Deposit and Trust Co.,				
rent of box,	19	67		
Joseph Lee, dinners for Sanitary Com-				
mittee,	16	75		
W. O. Knapp, services, letting Mason				
School-house hall,	16	00		
A. W. Mitchell, stamp, etc.,	11	50		
Heirs of Andrew Cole, use of hall for				
ward room,	20	00		
G. Wadleigh, use of hall for ward				
room,	18	00		
Albert Brackett, use of hall for ward				
room,	12	00		
J. D. Billings, material and labor,	26	75		
Milo Lucas, " "	8	03		
R. J. Morrisey, " "	7	59		
J. P. Lovell & Sons, pistol,	7	73		
Ward & Gay, supplies,	6	25		
C. H. Frothingham, engrossing resolu-				
tions, H. Hyde,	6	00		
J. M. Russell, frame for resolutions,				
H. Hyde,	4	00		
A. S. Glover, amount paid for express-				
age,	2	35		
Adams Express Co., expressage,	4	30		
Jenison's Express, "		25		
Boston & Albany Railroad, freight,	1	36		
M. C. Laffie, ringing bell,	10	00		
Thomas Woodman, "	6	00		
George L. Avery, "	6	00		
			4	
Amounts carried forward,	\$8,918	14	\$8,800	00

Amounts brought	forwar	rd.	\$8,918 14	\$8,800 00
J. H. Boit, ringing b		,	6 00	\$1,000
J. T. Thomason, "	,		6 00	
Geo. W. Chamberlai	n. ring	ging bell.	6 00	
George Cutler,	,	"	3 00	
F. B. Sisson,		"	3 00	
George J. Upham,		46	3 00	
Geo. E. Bridges, serv	ices as	ward officer,	20 00	
W. S. Higgins,	46	"	$1\bar{0} \ 00$	
J. Edward Hills,	66	44	4 00	
Geo. H. Ingraham,	66	46	4 00	•
Bernard Early,	44	46	4 00	
A. J. Grover,	66	46	4 00	
C. W. Bassett,	46	46	4 00	
Herbert F. Bent,	66	"	4 00	
T. W. Brownell,	46	46	4 00	
H. H. Mather,	66	44	4 00	
H. A. Clark,	44	. 6	4 00	
F. M. Trowbridge,	46	4.6	4 00	
Dexter Whipple,	46	66	4 00	
R. O. Evans,	46	46	4 00	
A. P. Bugbee,	66	46	4 00	
J. D. Billings,	66	44	4 00	
H. P. Dearborn,	46	"	4 00	
L. H. Cranitch,	46	"	4 00	
George D. Dix,	"	44	4 00	
Richard A. Carroll,	66	66	4 00	
H. C. Wood,	44	46	4 00	
G. W. Chamberlain,	"	66	4 00	
G. L. Snow,	46	4.6	4 00	
E. G. Pond,	66	46	4 00	
John W. Howe,	66	66	4 00	
H. H. Easterbrook,	66	4.6	4 00	
E. B. Hitchcock,	66	66	4 00	
F. L. Claflin,	66	66	4 00	
S. M. Jackson,	46	"	2 00	
		-	-	

Amounts carried forward,

\$9,081 14 \$8,800 00

Amounts brought fo	97700	ırd.	\$9,081	14	\$8,800 00
John Lowell, Jr., service			2	00	* - 1
S. C. Spaulding,	"	۲۰	$\overline{2}$	00	
E. T. Colburn,	44	66	2	00	
R. R. Bishop, Jr.,	66	"	2	00	
D. T. Bunker,	66	"	2	00	
J. Frank Washburne,	66	44	2	00	
A. B. Tainter,	44	44	2	00	
J. E. Warner,	44	66	2	00	
Edward Darron,	66	44	2	00	
S. K. Billings,	66	44	2	00	
Joseph Heustis, serv	vices	at election,	2	00	
H. H. White,	66	44	2	00	
G. Lyman Snow,	66	"	$\overline{2}$	00	
E. G. Hurd,	"	"	2	00	
Thomas Woodman,	66	44	2	00	
<i>(</i> 7) 1		-			0 4 4 4 4 4
Total, as per iter	m N	o. 24 of expen	ses,		9,111 14
Balance overdrawn, t	rans	ferred into Tre	easury.		\$311 14
,			- 7,		"
	Ne	wton Free Libi	rary.		
Appropriation,			·		\$8,000 00
Hannah P. James, se	rvice	es, Librarian,	\$1,000	00	
Elizabeth P.Thurston		Ass't Libr'an,	600	00	
Louise J. Smallwood,	66	66	400	00	
Etta P. Cleveland,	66	66	400	00	
Millie E. Michaels,	66	66	400	00	•
James J. Tower, servi	ices,	janitor,	600	00	
H. F. Hunter, "		"	10	00	
Hannah P.James, sun	dry c	ash expenses,	21	66	
A. Williams & Co.,	1	oooks,	850	16	
Estes & Lauriat,		"	308	08	
Clark & Carruth,		44	241	57	
Little, Brown & Co.,		"	238	12	
N. J. Bartlett & Co.,		66	123	75	
Dodd, Mead & Co.,		"	24	00	
Amounts carried for	rwa	rd,	\$5,217	34	\$8,000 00

Amounts brought forward,		\$5,217	34	\$8,000 00
J. R. Osgood & Co., book	s,	19	75	,
G. M. Hopkins, "		15	00	
H. H. Gorring's, "		15	00	
S. S. Rider,		9	95	
Lockwood, Brooks & Co., "		8	75	
Soule & Bugbee, "		2	85	
H. D. Noyes & Co., subse	cription,	148	15	
Fred'k. McCrellish & Co.,	"	16	00	
The Press Co, "Limited,"	44	15	35	
Nickelson & Co.,	44	12	0.0	
M. Halstead & Co.,	66	12	0.0	
Boston Daily Advertiser,	44	12	00	
G. W. Armstrong,	64	11	00	
The Tribune Co.,	66	10	0.0	
New York Herald,	66	10	00	
The World,	44	10	00	
Journal Newspaper Co.,	66	9	00	
Boston Post,	44	9	00	
R. Worthington & Co.,	66	9	00	
Chas. C. Fulton,	66	9	00	
Evening Post,	66	9	00	
Globe Publishing Co.,	66	8	25	
The Globe Printing Co.,	66	8	25	
The Springfield Republican,	44	7	00	
The Sun,	44	6	50	
F. Leypoldt,	44	-	20	
R. M. Pulsifer & Co.,	"	_	00	
Globe Newspaper Co.,	44	6	00	
Gazette Printing Co.,	44	_	00	
H. M. Stimson & Co.,	44		50	
H. G. Parker,	44		20	
E. H. Hames & Co.,	44		00	
Thomas Alden, binding book,		176		
J. H. H. McNamee, "			91	
N. & W. Gas Light Co., gas,		480	75	
Amounts carried forward,		\$6,399	69	\$8,000 00

Amounts brought forward,	\$6,399	69	\$8,000	00
Albert Brackett, coal,	195		" /	
Water Department, use of water,	- 10	00		
A. L. Edmands, cash expenses,	20	80		
Neil McGinnis, expressage of books,	500	00		
T. L. Whiton, "	400	00		
C. H. Hurd, "	3	10		
W. C. Gaudelet, agency,	50	00		
J. J. Peck, "	40	00		
B. Billings, "	40	00		
L. H. L. Davis, "	36	00		
J. W. Davis, "	25	00		
E. E. Moody, "	24			
D. Bryant, "	10	00		
Library Bureau, supplies,	114	81		
Thayer & Stiles, "	70	42		
Ames Plow Co., "	13			
George H. Adams, "	. 7	05		
Gilman Bros., "		18		
Timothy Stuart, manure,	24	00		
H. F. Wellington, material and labor,		25		
Geo. P. Clark, " "	3	00		
Total, as per item No. 25 of exper	nses,		7,999	93
Balance unexpended, transferred into	Γreasury,.			07
Police Departm	ant			
Appropriation,	ient.		#17 500	00
	0.66:		\$17,500	UU
Regular Police	Jincers.			
Revilo L. Hinds, City Marshal,	\$1,299			
Chas. F. Richardson, Sergeant of Police,	995			
Chas. P. Huestis, Mounted Patrolman,	900 (
N. F. Bosworth, " "		50		
Wm. C. Emerson, Patrolman,	900 (
John Ryan, "	897 8	2 0		
Amounts carried forward,	\$5,880 7	6	\$17,500	00

Amounts brought forgrand	#2 000	7.6	\$17,500 00
Amounts brought forward, Charles E. Davis, Patrolman,	\$5,880 887		\$17,500 00
Charles C. Davis, "attoman, "	882		
James D. Henthorn, "	876		
E. C. Holmes, "	872		
R. S. Harrison, "	867		
F. B. Fletcher, "	850		
Geo. E. F. Baker, "	830		
John Purcill, "	788		
C. S. Boothby, "	590		
R. H. Moulton, "	512		
Geo. H. Marsh, "	205		
W. G. Bosworth, "	187		
W. G. Bosworth,	101		
	\$14,230	50	
Special Police C	Officers.		
B. H. Huestis,	\$453	75	
W. G. Bosworth,	265		
M. C. Laffie,	122	50	,
A. M. Fuller,	72	50	
W. J. Fiske,		25	
, , , , , , , , , , , , , , , , , , ,			
	\$15,145	50	
Incidental Ex	penses.		
R. L. Hinds, board and use of horse,	\$393	03	
N. F. Bosworth, board of horse and			
use of team,	300	22	
Geo. H. Marsh, board of horse,	21	00	
Fred Huestis, " "	14	86	
S. L. Pratt, use of teams,	328	68	
S. F. Cate, "	66	50	
C. G. Tinkham, "	25	75	
J. F. Makee, "	23	15	
G. W. Bush, "	8	25	
J. E. Cahill, "	7	00	
Amounts carried forward,	\$16,333	94	\$17,500 00
, , ,	,		

Amounts brought forward,	\$16,333	94	\$17,500 00
William Weir, use of teams,	7	00	,
S. G. Williams, "	4	50	
W. H. Mague, "	3	50	
T. B. Wiggin, "	3	00	
E. Ham & Co., exchange on horse	e, 100	00	
N. & W. Gas Light Co., gas,	126	75	
Water Department, use of water,	50	00	
Albert Brackett, coal,	80	88	
Patterson & Lavender, desk,	55	00	
Soule & Bugbee, law books,	19	80	
Lawrence, Wilde & Co., chairs,	14	50	
A. H. Davenport, lounge,	11	00	
John Purcill, conveyance of prisone	ers,etc., 48	00	
C. P. Huestis, "	. 25	00	
R. S. Harrison, " "	17	00	
E. C. Holmes, "	16	06	
C. O. Davis, "	13	00	
C. F. Richardson, "	7	77	
F. B. Fletcher, "	3	04	
P. A. McVicar, blacksmithing,	58	17	
B. F. Barlow, "	30	72	
J. C. Farrar, "	15	50	
J. M. Fowler, "	13	00	
D. O'Driscoll, "	7	40	
A. Peters, "	5	38	
A. W. Ward, "	4	00	
Mary W. Brownell, meals for priso	oners, 55	75	
Mrs. C. P. Huestis, "	' 10	50	
Mrs. Wm. Bliss, washing,	3	50	
E. R. Morse & Co., material and	labor, 12	00	
O. B. Leavitt, "	, 8	50	
M. S. Hodgson, "	' 5	65	
C. H. Jenison, expressage,	17	65	
C. H. Hurd, "		00	
Hill & Langtry, supplies,	110	39	
Amounts carried forward,	\$17,302	85	\$17,500 00









Amounts brought forward,	\$17,302	85	\$17,500 00
D. Evans & Co., supplies,	75	00	
F. W. Barry, "	54	75	
J. P. Lovell & Sons, "	42	51	
H. A. Winship, "	23	00	
Peabody & Whitney, "	21	50	
S. O. Aborn, "	8	50	
Sundry small bills, "	30	28	
Total, as per item No. 26 of expen	ises,		\$17,558 39
Balance overdrawn, transferred into Tr	reasury,		\$58 39
Poor Out of Alm	shouse.		
Appropriation,			\$7,500 00
Nathan Mosman, services as City			\$1,000 00
Almoner and Clerk of Board of			
Overseers,	\$700	00	
Chas. F. Rand, serv's, Overseer, Ward 1,	50		
O. B. Leavitt, " " 2,	50		
O. F. Lucas, " " 3,	50		
Nathan Mosman, " " 4,	50		
H. C. Hoyt, " " 5,	50		
George Warren, " " 6,	50		
John Warren, " " 7,	50		
Nathan Mosman, amount paid to sun-	00	00	
dry persons,	424	78	
H. C. Hoyt, amount paid to sundry	747	10	
persons,	27	50	
* '	41	90	
Worcester Lunatic Hospital, care of	1,143	03	
sundry persons,	1,140	99	
Danvers Lunatic Hospital, care of sun-	402	0.1	
dry persons,	402	01	
Northampton Lunatic Hospital, care of	100	59	
sundry persons,	189	99	
Asylum for the Chronic Insane, care of	974	47	
sundry persons,	274	41	
Amounts carried forward,	\$3,512	22	\$7,500 00

Amounts brought fo	orwari	₫,	\$3,512	22	\$7,500 00
Commonwealth of M	assacl	nusetts, care			
of sundry persor	ıs,		115	18	
Charles J. Adams, M	aster,	care of sun-			
dry persons,			69	72	
City of Boston, partia	al supp	port of poor,	249	53	
City of Lowell,	66	"	218	00	
City of Malden,	"	66	81	.00	
City of Fall River,	"	66	17	00	
City of Lawrence,	66	66	6	00	
City of Chelsea,	66	46	2	00	
Town of Hinsdale,	"	44	265	65	
Town of Sherburne,	"	"	11	00	
Town of Townsend,	"	"	8	50	
Town of Watertown,	66	"	2	88	
Dr. J. H. Bodge, me	edical	attendance,	71	00	
Dr. Albert Nott,	"	"	56	40	
Dr. W. H. Hildreth,	"	"	37	00	
Dr. F. L. Thayer,	"	46	33	00	
Dr. F. D. Lord,	66	66	27	35	
Dr. H. B. Stoddard,	6.6	66	23	00	
Dr. J. R. Deane,	66	"	21	00	
Dr. S. A. Sylvester,	"	66	15	00	
Dr. J. F. Boothby,	66	"	13	00	
Dr. J. H. Hazleton,	66	66	12	00	
Dr. Eben Thompson,	. 66	66	11	00	
Dr. F. W. Webber,	"	66	9	00	
Dr. E. P. Scales,	44	"	6	00	
Dr. J. F. Frisbie,	66	44	4	50	
Dr. James Utley,	66	66	2	00	
George H. Ingraham	, presc	riptions,	36	35	
John J. Noble,		"	19	63	
Arthur Hudson,		"	15	53	
E. J. Williams,		64	11	15	
W. C. Gaudelet,		44	11	97	
Aug. Williams,		66	$\overline{2}$	50	

\$4,997 06

\$7,500 00

Amounts carried forward,

Amounts brought forward,	\$4,997 06	\$7,500 00
James McGourty, funeral expenses of		
sundry persons,	71 50	
Newton Cemetery Corporation, inter-		
ments,	34 00	
J. G. Latta, board of Richardson chil-		
dren,	46 00	
H. F. Titus, board of Richardson chil-		
dren,	$42 \ 00$	
M. E. Vose, board of Miss Crawley,	30 00	
Roxbury Home, " "	18 00	
Ephraim Perry, board, etc., of Maggie		
Secclew,	21 31	
Obed Porter, board of Mary Porter,	20 00	
C. W. Thompson, board, etc., of		
Thomas Hanson,	6 00	
Catherine Collins, house rent for John		
Jeffreys,	16 00	
Mary Welch, house rent, Morris Gerry,	15 00	
George W. Bush, use of teams,	6 00	
S. L. Pratt, "	6 00	
S. F. Cate, "	2 00	
C. Strout & Sons, groceries,	309 58	
W. O. Knapp & Co., "	271 55	
H. A. Sherman,	169 50	
H. E. Woodbury, "	130 47	
G. Wadieign,	116 75	
w. r. Shattuck,	70 54	
11. 1. Daibei,	63 47	
J. D. Murphy,	61 37	
Geo. 11. Adams,	60 00	
1. K. Stevens,	60 00	
r. S. Clockett,	58 73	
H. W. Fanning & Son, groceries,	$\begin{array}{ccc} 45 & 43 \\ 33 & 70 \end{array}$	
L. VICKEIS,	$\begin{array}{c} 35 & 70 \\ 24 & 32 \end{array}$	
C. C. Cook, "B. B. Vassall, "	$\frac{24 \cdot 32}{24 \cdot 00}$	
D. D. Vassall,		
Amounts carried forward,	\$6,830 28	\$7,500 00

Amounts brought forwa	ard,	\$6,830	28	\$7,500 00
N. E. Bartlett,	groceries,	22	50	
H. B. Coffin,	"	20	11	
J. W. Davis & Co.,	"	18	00	1
Fulton, Bartlett & Blane,	66	14	00	
Blanchard & Atkins,	44	8	81	
Fletcher & Towne,	"	6	00	
Waters & Inman,	fuel,	216		
J. W. Pearson,	66	183		
Trowbridge & Hill,	"	177	07	
Almshouse Department,	44	140	00	
Albert Brackett,	"	123	99	
C. F. Eddy & Co.,	44		50	
T. W. Nickelson,	" ≃	52	25	
Daniel Warren,	66	·	50	
Hills & Bullens,	66	7	15	
J. Edward Hills,	"	-	03	
C. E. C. Gay,	"	2	00	
E. C. Holmes, expense co				
garet Conaway to W	orcester Hos-			
pital,		5	00	
R. L. Hinds, expense cor				
H. Simpson to Wo	rcester Hos-			
pital,		4	50	
C. O. Davis, expense				
Louise Shaw to Tew	ksbury Alms-			
house,			10	
O. F. Lucas, supplies,			00	
J. Henry Bacon, "			25	
J. E. Trowbridge, "			00	
A. J. Gordon, "			15	
Newton Republican, prin	ting,		00	
Sundry small bills,		10	60	
Total, as per item N	o. 27 of expen	ises,		\$7,933 57
To 1	c 11 m			#100 7=
Balance overdrawn, trans	terred into Ti	easury,		\$433 57

Public Property.

Appropriation,	\$8,500	00	
Additional Appropriation, by order of			
City Council,	3,000	00	*44 *00 00
Simpson Bros., concreting,	\$ 623	70	\$11,500 00
E. G. Pond, lumber,	388	54	
J. A. Kenrick, Treasurer, labor, men			
and teams, Highway Department,	379	57	
John Keating, labor, men and teams,			
Highway Department,	386	25	
Timothy Stuart, labor, men and teams,			
Highway Department,	118	47	
Sadler & Hatch, painting buildings,	278		
J. Goldthwait & Co., carpeting, etc.,	209		
Lawrence, Wilde & Co., furniture,	200		
chairs, etc.,	186	89	
D. Webster King & Co., paints, oil, etc.,	170		
J. L. Randall, care school-house hall,	110	20	
Upper Falls,	127	75	
Young, Caldwell & Odiorne, taking	1-1	10	
down and putting up flagstaff,			
Newton Centre,	. 100	00	
J. H. Stevens, Superintendent, use of	. 100	00	
chapel for school in Thompson-			
ville,	75	00	
F. E. Hamblin, brick, sand, etc.,	54		
	94	40	
The Howard Watch and Clock Co.,	53	50	
clocks,	99	30	
N. & W. Gas Light Co., gas for Mason,			
Hyde and Prospect School-house	45	00	
halls,	40	00	
Charles A. Cole, locks, etc., for police	42	51	
station,			
Noah Prescott, stone,	37		
Thomas Canfield, cleaning cesspools,	30		
Amounts carried forward,	\$3,307	31	\$11,500 00

Amounts brought fort		for Dub	\$3,307	31	\$11,500	00
lic Library,	grobes	tor rub-	95	50		
A. French & Co., cuspi	idores			00		
The National Rubber (SA.		05		
Hall Rubber Co., matti		·sc,		67		
W. B. Sadler, painting,	0,			50		
Boston & Albany Railr		eight		50		
C. H. Jenison, expressa		.cigirt,		33		
Speare, Gregory & Co.,				00		
Arthur Muldoon, labor,				00		
C. A. Brackett, boxes,	, c.c.,			00		
Harris Express, express	sage.			50		
O. A. Swett, clock,	8-7			00		
J. E. Cahill, labor, men	and to	eams.	7	00		
Thomas Johnson, remo				13		
C. P. Heustis, cash pai	-		6	00		
John Foster, labor,		,	6	00		
C. F. Eddy & Co., lime	and c	ement,	5	00		
S. C. Ayres, clock,		,	3	00		
John & James Dobson,	mat,		3	00		
S. L. Pratt, keeping ho	rse,		9	00		
T. B. Wiggin, use of te	am,		6	00		
Higgins & Nickerson, ma	ateriala	and labor,	1,385	71		
William Petigrew,	66	"	960	55		
Samuel D. Garey,	66	"	717	92		
R. J. Morrisey,	66	66	671	65		
Cranitch & Horrigan,	66	"	585			
M. C. Higgins,	"	"	234	34		
C. S. Phillips,	"	"	198	23		
W. H. Stewart,	"	"	156	60		
O. B. Leavitt,	66	66	147	16		
J. E. & O. L. Geddings,	66	66	140			
J. C. Farrar,	66	"	123	94		
William Bemis,	"	"	119	90		
James McGourty,	"	"	115	52		
Amounts carried forw	ard,		\$9,091	13	\$1,1,500	00

Amounts brought for	ward,		\$9,091	13	\$11,500 00
F. H. Humphrey, Ag'	t, materi	ial and			
labor,			111	35	
A. W. Snow, ma	terial and	l labor,	108	36	
Michael Hynes,	"	66	100	48	
M. McDonald,	"	"	100	25	
Charles A. Hill,	66	"	95	00	
O. F. Lucas,	"	"	87	93	
Isaac Smith,	"	"	82	97	
A. Hall,	"	"	78	85	
L. A. Gammans,	"	46	78	40	
Milo Lucas,	46	6.6	74	59	
H. F. Wellington,	"	"	72	38	
Water Department,	46	"	72	24	
W. H. French & Co.,	66	66	66	90	
D. O'Driscoll,	"	"	65	65	
Tupper & Smalle,	"	"	59	00	
Albert Fogwell,	66	66	54	10	
J. E. Trowbridge,	"	"	54	33	
C. S. Decker,	"	66	53	02	
H. H. Hunt,	"	"	52	40	
Charles Scott,	"	"	43	89	
Walworth Man'f'g Co.,	66	"	43	49	
J. O. Evans & Son,	"	66	27	45	
Orrin Whipple,	"	"	27	40	
W. F. Soule,	"	"	25	22	
Est. of S. F. Carrier,	"	"	23	60	
Eben C. Clark,	"	"	20	14	
J. H. Cushman,	"	"	20	00	
Sidney P. Clark,	"	"	19	31	
D. F. McAllister,	"	66	18	85	
Edward Pike,	66	66	16	20	
A. I. English,	"	"	15	00	
W. M. Lucas,	"	66	15	00	
Daniel Condrin,	"	"	14	00	
Walker & Pratt M'f'g Co	•,	"	12	98	
Amounts carried force	vard,		\$10,901	86	\$11, 500 00

Amounts brought f	orward,		\$10,901	86	\$11,500	00
C. C. Pottle,	naterial a	ınd labor,	11	09		
L. Hicks,	44	"	11	00		
Allen Jordan,	"	"	9	90		
W. P. Leavitt,	46	"	8	25		
W. E. Porter,	"	"	. 8	18		
C. L. Berry,	44	"	8	00		
Ralph Davenport,	"	"	7	75		
Scott & Maher,	44	"	4	50		
F. T. Burgess,	"	66	5	80		
Jordan, Marsh & C	o., suppl	ies,	233	07		
Thayer & Stiles,	"		58	42		
H. M. Darling & Co	٠٠,		46	70		
C. W. Morehouse,	"		36	48		
D. H. McWain,	"		23	00		
W. F. Whitton & Co	٠٠,		16	87		
John S. Sumner,	66		5	75		
W. S. Cargill,	46		4	70		
J. H. Hatch,	**		4	62		
Michael Lane,	"		3	50		
Sundry small bills,			27	61		
Total, as per ite	m No. 2	8 of expe	nses,		11,437	05
Balance unexpended,	transfer	red into	Γ reasury,		\$62	95
	70	1 0 4	1			
	Remo	val of As	ines.			
Appropriation,					\$2,000	00
John A. Kenrick,						
men and teams,	Highway	Depart-				
ment,			\$1,500			
David Jackson, horse	Ξ,		325			
Andrew Peters, cart,			135			
J. Carroll, harness,			40	00		
Total, as per ite	m No. 29	of exper	nses,		\$2,000	00

Salarie	25	
Appropriation,	\$14,500	00
William P. Ellison, Mayor,	\$1,000 00	
Edwin O. Childs, City Clerk,	2,000 00	
John A. Kenrick, Treasurer and C	Col-	
lector,	2,700 00	
John A. Kenrick, for Assistant,	1,100 00	
Benjamin F. Otis, City Auditor,	1,900 00	
Winfield S. Slocum, City Solicitor,	1,000 00	6
Isaac Hagar, Chairman of Board	of "	
Assessors,	1,200 00	
Samuel M. Jackson, Assessor,	700 00	
Howard B. Coffin, "	700 00	
J. D. Wellington, City Messenger,	1,100 00	
J. D. Wellington, Sealer of Weig	hts	
and Measures,	75 00	
Hosea Hyde, Clerk of Common Coun	cil, 200 00	
Albert S. Glover, Clerk of Comm	non	
Council,	50 00	4
Joseph D. Wellington, Clerk of Comm	non	
Council,	. 25 00	
Dexter Whipple, Assistant Assess	•	
Joseph Walker, "	64 00	
O. F. Lucas, "	38 00	
Rufus Moulton, "	36 00	
S. N. Woodward, "	56 00	
George Warren, "	92 00	
John Warner, "	56 00	
Total, as per item No. 30 of ex	xpenses, 14,132	00
Balance unexpended, transferred in	to Treasury, \$368	00
School	"	
General Appropriation.—Ec	ducational Department.	
General Appropriation for Schools, Additional Appropriation, by order		
City Council,	1,500 00	
Received from Dog Tax,	702 72	

\$82,702 72

Amount carried forward,

Amount brought forward, Transferred to School Incidentals,	\$82,702 3,041		\$79,660	79
Expenditures	in Detail.			
John E. Kimball, Superintendent, Isaac Hagar, Secretary School Board	\$2,700 d, 300			
	\$3,000	00		
High Sch	iool.			
Edward H. Cutler, Head Master,	\$2,737	50		
Ezra W. Sampson, Master,	1,968			
John F. Kent, Assistant Master,	1,402			
S. Warren Davis, " "	112			
S. Alice Worcester, Assistant,	700			
Caroline Spear, "	1,000			
M. Abby Smith, "	1,000			
Martha E. Foote, "	625			
Maybell P. Davis, "	918			
Evelyn Rich, "	587			
	\$14,052	50		
Special Tea	chers.			
Mrs. Emma F. Bowler, Drawing,	\$460	00		
May L. Smith, "	272			
Jennie E. Ireson, (Calisthenics, Elocution,	500			
Frank N. Brown, Military Drill,	330	00		
Eliza B. Barry, Rhetoric,	120	00		
Lucretia J. Fuller, Writing,	68	00		
Timothy L. Roberts, Music,	562	50		
Samuel W. Cole, "	78	75		
Amounts carried forward,	\$16,443	75	\$79,660	79

Mason School.

Aibert L. Harwood, Mas	ter,	\$1,900	00
George A. Moore, Head	l Assistant,	468	75
Sarah H. Munger, "	"	656	25
Maria F. Wood, Assista	nt,	600	00
Mary Tenney, "		600	00
Lizzie S. Friend, "		600	00
Ellena H. Thompson, "		600	00
Ellen M. Cook, "		600	00
Margaret Martin, "		390	00
Harriette E. Bird, "		375	00
Della E. Dodge, "		225	00
Mary E. Jordan, "		210	00

Thompsonville School.

Helen A. Davis, Principal,

\$750 00

Oak Hill School.

Mattie R. T. Owler,	Principal,	\$375	0.0
C. Howard Wilson,	44	281	25

Hyde School.

George S. Turner, Master,	\$937	50
George A. Moore, "	562	50
Lilla M. Means, Head Assistant,	225	00
Charlotte E. Cameron, " "	525	00
Alice M. Hammond, Assistant,	375	00
Alice F. Whitcomb, "	375	00
Cornelia Collins, "	312	50
Phebe E. Churchill, "	225	00
Ida A. C. Jacobs, "	206	25
Mabel R. Wetherbee, "	206	25
Josie H. Hopkins, Substitute Teacher,	5	55

Amounts brought forward, \$29,030 55 \$79,660 79

21 mounts orought forward,	φ=0,000	90	#15,000
Prospect Sch	.ool.		
Walter C. Frost, Master,	\$1,737	50	
Martha L. Perkins, Head Assistant,	750	00	
Ella F. Crocker, Assistant,	600	00	
Kate P. Richardson, "	600	00	
Lizzie W. Everett, "	600	00	
Mary P. Fanning, "	600	00	
Hamilton Sci	hool.		
Luther E. Leland, Master,	\$1,900	00	
Anna G. Swain, Head Assistant,	750		
Sarah H. Jumper, Assistant,	600	00.	
Ellen M. Leland, "	225		
Addie P. Tuttle, "	187		
Williams Sch	2001		
	\$1,737	50	
George L. Chandler, Master, Elizabeth A. Pinnock, Head Assistant,	750		
	600		
Ann B. Smith, Assistant, Louise N. Burbank, "	518		
Laura Saltonstall, "	$\frac{318}{412}$		
Helen I. Merrill, "	312		
Hattie A. Ingraham, "	187		
Trattle A. Higianani,	101	50	
Pierce Scho		-	
Levi F. Warren, Master,	\$1,900		
Sarah A. Warren, Head Assistant,	750		
Mary J. Pickering, Assistant,	600		
Eliza E. Simmons, "	600	00	
Davis Scho	ol.		
Ella G. Bates, Principal,	\$750	00	
Calista S. Wood, Assistant,	375	00	
A. Calista Hale, "	187	50	
Susan E. Copeland, "	600	00	
Sarah E. Foster, "	600	00	
Jennie M. Daniels, "	105	00	
Amounts carried forward,	\$48,566	80	\$79,660

Amounts	brought forwar	d,
---------	----------------	----

\$48,	566	80
PTO,	000	OU

\$79,660 79

Franklin School.

Elizabeth F. Paddock, Principal,	\$750	00
M. Isabel Jenkins, Assistant,	600	00
Emma J. Thompson, "	600	00
Margaret A. Mague, "	277	50

Adams School.

William A. Spinney, Master,	\$1,737 50
Jennie M. Edwards, Head Assistant,	468 78
V. E. Hapgood, ""	281 - 28
Estella M. Haynes, Assistant,	600 00
Lydia A. Brierley, "	600 00
Abbie J. Fiske, "	187 50

Claflin School.

Alice Pitts, Principal,	\$168	75
Emmeline F. Tucker, Principal,	525	00
Herbert F. Sylvester, "	375	00
Lilla T. Wilder, Assistant,	600	00
Mary R. Ware, "	600	00
Lizzie Jones, "	600	00
Ellen S. Tewksbury, "	90	00

Jackson School.

George G. Edwards, Pri	ncipal,	\$1,437	50
H. Augusta Millard, Ass	sistant,	600	00
Louise W. Clelland,	"	600	00
Anna F. Gage,	"	375	00
Abby J. Clark,	"	. 600	00
Eliza J. Lovely,	"	518	75
Gertrude G. Tewksbury,	"	187	50

Amounts carried forward,

\$61,946 80 \$79,660 79

7	*01.010	0.0	# # 0.000	
Amounts brought forward,	\$61,946	80	\$79,660	79
Bigelow Sch	ool.			
H. Chapin Sawin, Master,	\$1,900	00		
Eudora Sanford, Head Assistant,	750	00		
Martha M. Bakeman, Assistant,	555	00		
S. Louise Shelton, "	600	00		
Augusta A. Lentell, "	568	75		
Mary H. Dwyer, "	600	00		
Clara J. Calley, "	375	00		
Alice E. Locke, "	225	00		
Fannie A. Brackett, Substitute Teacher,	20	00		
——— Howland, " "		50		
Underwood S	chool.			
Emma M. Cleary, Principal,	\$656	95		
Annie L. Wood, Assistant,	600			
Josephine W. Littlefield, "	600			
Lizzie C. Clark, "	518			
Nellie B. Littlefield, "		00		
Welle B. Eittlefield,	00	00		
Lincoln Sch	ool.			
Allota C. Wilmarth, Assistant,	\$600	00		
Janitors.				
John Cummings, High and Claffin,	\$660	04		
Thomas Woodman, Mason,	540	00		
John Mohr, Thompsonville,	96	00		
Willie E. Wiswall, Oak Hill,	96	00		
Enoch Houston, Hyde,	240	00		
Joshua L. Randall, Prospect,	360	00		
James H. Boit, Hamilton,	186	00		
Martin Walsh, Williams,	275	00		
Thomas Johnson, Pierce and Davis,	425	00		
Bridget Cox, Franklin,	200	00		
Mary Walsh, Adams and Jackson,	400	00		
John McCamman, Bigelow, Under-				

626 - 00

\$74,727 09 \$79,660 79

wood and Lincoln,

Amounts carried forward,

<i>'</i>				
Amounts brought forward,	\$74,727	09	\$79,660	79
Fuel.				
Albert Brackett, coal and wood,	\$4,534	13		
George Warren & Co., coal and wood,	203			
J. W. Pearson, " "	114			
T. W. Nickelson, " "		57		
		50		
waters & Inman,		$\frac{50}{25}$		
C. F. Eddy & Co.,		50		
Almshouse Department, wood,	51	-00 		
Total, as per item No. 31 of expen	ses,		\$79,660	79
School Incident	tals.			
Appropriation,	\$7,000	00		
Transferred from General Appropria-	# · · · ·			
tion for Schools,	3,041	93		
Transferred from Appropriation for	9,011			
Conveyance of Pupils,	16	64		
Conveyance of Lupits,			\$10,058	57
Knight, Adams & Co., books, station-			<i>#</i> /10,000	•
ery, etc.,	\$3,715	81		
A. G. Whitcomb, school furniture,	666			
Rand, Avery & Co., printing reports,	000	-0		
etc	595	19		
Water Department, use of water,	468			
Henry McElwain, blackboards,	324			
James Claffy, cleaning vaults,	220			
H. M. Stimson & Co., printing, etc.,	246			
N. & W. Gas Light Co., gas,		00		
		80		
Henry C. Nash, books,		50		
Thompson, Brown & Co., books,				
James R. Osgood & Co., "		00		
S.C. Ayres, clocks and repairs on clocks,		50 		
George W. Choate, repairs on clocks,		75		
A. J. Macomber, ""	. 22	00		
Amounts carried forward,	\$6,630	24	\$10,058	57

Amounts brought forward,	\$6,630	24	\$10,058	57
A. Phipps, clock and repairs,	16	75		
Robert S. Davis & Co., school books,	114	50		
E. S. Ritchie & Sons, apparatus for				
Laboratory,	108	37		
John H. Daniels, diplomas, graduating				
classes,	86	10		
H. B. & W. O. Chamberlain, philoso-				
phical apparatus,	78	33		
Asahel Wheeler, chloride lime,	43	14		
Wakefield Rattan Co., rattan furniture,	42	25		
George E. Bridges, taking census of				
children from 5 to 15,	55	00		
J. D. F. Brooks, rebinding books,	29	35		
John H. Pray, Sons, & Co., carpet,	28	63		
C. F. Richardson, services as truant				
officer,	25	00		
C. O. Davis, services as truant officer,	25	00		
J. D. Henthorn, " "	25	00		
Geo. H. Marsh, " "	25	00		
C. S. Boothby, "	25	00		
George H. Brown, tuning pianos, etc.,	26	00		
Wm. C. Hill, " "	11	75		
Carter, Harris & Hawley, chemicals, etc.,	23	36		
Newton Cemetery Corporation, trees				
and setting,	18	50		
L. E. Powars, amount paid for class				
motto, etc.,	18	40		
A. D. Albee, Agt., ink wells,	16	61		
Auburndale Watch Co.,4 thermometers,	10	00		
J. H. Williams, Treas., frames for ex-				
hibit of drawing,	10	00		
John McCamman, extra labor at Bige-				
low School,	14	45	•	
G. M. D. Fernald, repairs, etc.,	6	11		
Newton Republican, advertising,	5	75		
- Amounts carried forward,	\$7,518	59	\$10,058	57

Amounts brought	forwa	rd,	\$7,518	59	\$10,058 57
R. M. Pulsifer & Co	o., adv	ertising,	3	50	·
E. A. Smallwood, rep	airing	shades, etc.,	4	. 00	
W. E. Wiswall, cartir	ng ash	es, Oak Hill,	3	10	
Ezra W.Sampson, sur	ndry ca	ash expenses,	39	83	
Miss A. A. Smead,	"	"	14	00	
Isaac Hagar,	"	"	13	60	
Amos E. Lawrence,	"	"	10	75	
W. C. Frost,	66	"	8	01	
A. L. Harwood,	"	"	4	00	
Levi F. Warren,	"	"	3	00	
W. H. French & Co.,	mater	ial and labor,	965	01	
Milo Lucas,	"	"	233	47	
James McGourty,	"	"	106	86	
George T. Weston,	"	"	95	35	
Thayer & Stiles,	"	44	56	03	
O. F. Lucas,	"	"	49	78	
A. W. Snow,	4.6	44	36	51	
Eben C. Clark,	"	44	35	50	
C. C. Pottle,	"	"	34	40	
Wm. F. Soule,	"	66	30	65	
H. F. Wellington,	"	66	28	31	
R. O. Evans,	"	66	24	59	
O. B. Leavitt,	"	66	23	15	
Isaac Smith,	66	66	20	48	
Allen Jordan,	"	"	17	15	
Orrin Whipple,	"		16	32	
R. W. Ireland,	"	44 .	14	60	
C. A. Purdy,	"	"	14	15	
J. E. Coleman,	"	"	12	40	
Chas. S. Phillips,	"	"	11	08	
D. F. McAllister,	"	"	. 9	40	
P. A. Murray,	"	"	6	15	
W. B. Alexander,	"	"	6	13	
J. F. Franklin,	"	"	3	75	
Peabody & Whitney,	suppl	ies,	303	38	
		-			
Amounts carried fo	rwara	<i>'</i> ,	\$9,776	98	\$10,058 57

· ·			
Amounts brought fo		\$9,776 9	. ,
Arthur Hudson,	~ ~	55 2	
J. E. Trowbridge,	44	$25 ilde{5}$	
C. Bartlett,	66	13 0	
B. Fred Merritt,	"	12 3	
Greenwood & Co.,	"	12 2	_
Frost & Adams,	"	10 6	0
Alfred Howes,	"	8 1	3
C. W. Morehouse,	44	7 2	5
J. B. Murphy,	4.6	6 8	3
W. O. Knapp & Co.,	"	6 1	7
Boston Terra Cotta C	Co., "	5 0	0
E. M. Richardson,	66	5 0	0
C. C. Cook,	"	3 2	2
C. H. Jenison, expres	sage,	33 5	5
F. H. Hunting, "	8 /	12 7	5
Elias Caswell, "		4 0	0
John T. Hill, "		4 0	0
F. Jones, "		3 2	0
Sundry small bills,		53 4	6
Total, as per iten	n No. 32 of exp	enses,	\$10,058 57
	Sidewal	zs.	
Appropriation,	Sidowal		\$5,000 00
Simpson Bros., concre	eting	\$2,883 3	1 '
John A. Kenrick, Trea			
Highway Departs		2,101 2	R
C. H. & A. F. Ireland		,	•
labor,	a, material an	15 4	3
		10 T	
14501,			
Total, as per iten	n No. 33 of exp	ėnses,	\$5,000 00
·	n No. 33 of exp	ėnses,	\$5,000 00
Total, as per iten			\$5,000 00
Total, as per iten	inking Fund, (. ,
Total, as per iten S Special Appropriation	inking Fund, (City Debt.	\$15,000 00
Total, as per iten	inking Fund, (, , sioners of Sinl	City Debt.	\$15,000 00

Sinking Fund, Wate	r Bonds.	
Appropriation,		\$15,000 00
Amount paid Commissioners of Sinking	ng Fund, as	8
per item No. 35 of expenses,		\$15,000 00
Street Light Depar	tment.	
Appropriation,		\$19,500 00
Newton & Watertown Gas Light Co.,		
gas, and care of street lamps,	\$13,126 50)
Newton & Watertown Gas Light Co.,		
repairs, etc.,	265 67	•
United States Street Lighting Co.,		
material, and care of street		
lamps,	4,226 30	3
U. S. Street Lighting Co., iron posts,		
lanterns, etc.,	770 32	
Globe Gas Light Co., material and care		
of street lamps,	600 00	
W. J. Towne, material and care of		
street lamp,	11 00	
V. Haffermehl, painting posts and lan-		
terns,	262 66	
F. E. Garland, repairs, etc.,	29 00	
John Keating, setting lamp posts,		
etc.,	20 00	
Thomas Hart, setting lamp posts,		
etc.,	$20 \ 00$	
Charles G. Tinkham, use of teams,	9 00	
William Weir, " "	7 50	
J. D. Wellington, paid for moving		
posts,	2 00	
Thomas Belger, repairs, etc.,	4 00	
D. J. O'Donnell, "	1 40	
Tatal and the NI 90 f	-	10.955 41
Total, as per item No. 36 of expens	es,	19,355 41

Balance unexpended, transferred into Treasury,

\$144 59

State Aid.

	State Air	u.			
	Appropriation,		9	\$1,300	00
	Benjamin E. Sweetland,	\$102			
	William Watson,	72	00		
	N. D. Tibbetts,	54	00		
	Thomas Dolan,	48	00		
	Ann Duvall,	48	00		
	M. Hagerty,	48	00		
	Bridget Madden,	48	00		
	Eliza M. Jackson,	48.	00		
	E. Burke,	48	00		
	Mary Duran,	48	00		
	Anna C. Boyd,	48	00		
	Sarah Fell,	48	00		
	Catherine McAleer,	48	00		
	Agnes Myers,	48	00		
	George Hutchinson,	48	00		
	L. T. Sanger,	36	00		
	Bridget A. Wright,	. 32	00		
	Thomas Dinnean,	24	00		
	S. C. Spaulding,	. 18	00		
	William B. Fisher,	18	00		
	Catherine Maloney,	4	00		
	Total, as per item No. 37 of exp		936	00	
Balance unexpended, transferred into Treasury,					00
	Taxes, 1882	- State			
		State.	φS	32,160	00
	Amount assessed for State Tax,	:+		2,100	UU
	Amount paid to State Treasurer, No. 38 of expenses,	as per n		32,160	00
	Taxes, 1882.—	County.			
	Amount assessed for County Tax,		¢ 1	2,120	60
	Amount paid to County Trax,	as ner it		-,120	00
	No. 39 of expenses,	as per it		2,120	60

Taxes, 1882.—Nation Amounts paid to Commonwealth of Months for Non-Residents of Newton, Non-Shares, as per item No. 40 of expensions.	lassachusetts ational Bank	\$1,106 21
Taxes, 1882.—Cor	poration.	
Amount paid to Commonwealth of Ma as per item No. 41 of expenses,		\$77 40
Temporary Lo	ans.	
Nov. 3. Paid Commonwealth of Massa		
chusetts,	\$20,000 00	
" 3. Paid Commonwealth of Massa		
chusetts, " 3. Paid Commonwealth of Massa	30,000 00	
chusetts,	50,000 00	
" 3. Paid Boston Five Cents Sav-		
ings Bank,	35,000 00	
" 4. Paid Boston Five Cents Sav-		
ings Bank, " 9. Paid Suffolk Savings Bank,	65,000 00 25,000 00	
Total, as per item No. 42 of expen	ses,	\$225,000 00
Use of Hydran	nts.	
Appropriation,		\$6,880 00
Water Department,	\$6,880 00	
Total, as per item No. 43 of expen	ses,	\$6,880 00
Water Maintena	nce.	
Appropriation,		\$13, 500 00
Albert S. Glover, services as Registrar,	\$1,800 00	
Albert S. Glover, sundry cash expenses, H. N. Hyde, Jr., services as Superin-	39 90	
tendent,	1,500 00	
Amounts carried forward,	\$3,339 90	\$13,500 00

Amounts brought forward,	\$3,339	90	\$13,500	00
H. N. Hyde, Jr., horse, wagon and				
harness,	300	00		
H. N. Hyde, Jr., sundry cash expenses,	29	60		
J. C. Whitney, services as Inspector,	600	00		
Thos. Coughlan, services as Engineer,	1,200	00		
Thos. Coughlan, allowance for house				
rent,	200	03		
Thomas Croker, services as Fireman,	600	00		
Pay-roll of laborers,	2,664	29		
Hills & Bullens, coal,	2,480	00		
Receivers of the Phila. & Reading				
Coal and Iron Co., coal,	674	68		
L. G. Burnham & Co., "	179	44		
T. W. Nickelson, wood and coal,	58	51		
Albert Brackett, " "	34	13		
J. W. Pearson, " "	7	00		
W. E. Worthen, services as (expert)				
Engineer,	270	00		
E. Ham & Co., horse,	215	00		
F. Jones, teaming coal,	137	55		
New York & New England Railroad,				
freight on coal,	30	91		
Leonard & Ellis, oil,	137	69		
Olney Bros., "	22	87		
E. T. Milliken & Co., "	20	57		
Sherburne & Co., oil and waste,	17	11		
Lustralis M'f'g Co., oil,	5	00		
E. Smead & Co., hay and grain,	57	08		
A. R. Eaton, "	17	86		
G. M. Cooledge, "	7	98		
R. M. Flint, "	5	10		
Conrad Decker, "	4	20		
John A. Newell, "	4	09		
T. A. Ward, care of reservoir,	48	00		
S. F. Cate, use of teams,	47	00		
Amounts carried forward,	\$13,415	 59	\$13,500	00
- Line with the for warte,	#10,110	50	φ. 20,000	-









Amounts brought forward,	\$13,415 59	\$13,500 00
D. Harrington & Son, use of teams,	10 00	
The American Fire Hose Man'f'g Co.	32 44	
hose, etc.,	30 50	
Boston Machine Co., valves, etc., Fiske & Coleman, brick, etc.,	$\frac{30}{27} \frac{30}{25}$	
Fuller Iron Works, castings,	26 46	
J. S. Hobbs & Co., brick and lime,	13 90	
A. Harris, expressage,	12 00	
N. & W. Gas Light Co., gas,	10 25	
Joel Goldthwait & Co., matting,	7 89	
Arthur Hudson, analysis of water,	5 00	
Timothy Stuart, labor, men and teams		
The Gould Packing Co., packing,	3 60	
M. Hewitt, blacksmithing,	6 16	
B. F. Barlow, "	2 56	
Pettee Machine Works, material and	1	
labor,	39 32	
Higgins & Nickerson, material and	1	
labor,	29 47	
Cranitch & Horrigan, material and labor	r, 18 55	
M. S. Hodgson, " "	8 16	
R. Curry, " "	5 17	
Est. of Orrin Whipple, " "	4 58	
J. D. Billings, ""	3 29	
H. R. Worthington, supplies,	$22 \ 50$	
Walworth Man'f'g Co., "	18 17	
G. Wadleigh, "	14 39	
H. W. Wellington, "	8 45	
C. W. Morehouse, "	5 87	
T. C. Lothrop & Co., "	5 00	
Sabin & Page, "	3 08	
B. Billings, "	2 37	
Sundry small bills,	15 64	
Total, as per item No. 44 of expe	enses,	13,811 62
Balance overdrawn, transferred into T	Treasury,	\$311 62

Water	Meters	and	Service	Pipe.
-------	--------	-----	---------	-------

water meters and ser	1	•	
Appropriation,	\$4,500	00	
Additional, transferred from receipts		٠	
by order City Council,	700	00	
Additional appropriation, by order City			
Council,	500	00	
-			\$5,700 00
Pay-roll of laborers,	\$1,557		
National Meter Co., meters,	1,327	55	
H. R. Worthington, meters, etc.,	1,022	96	
Union Water Meter Co., repairing			
meters, etc.,	153	25	
Walworth Man'f'g Co., pipe and sup-			
plies,	924	13	
J. C. Whitney, services as Inspector,	300	00	
E. Smead & Co., grain,	102	99	
Boston & Albany Railroad, freight,	30	50	
M. Hewitt, blacksmithing,	22	70	
B. F. Barlow, "	5	12	
H. N. Hyde, Jr., sundry cash expenses,	19	04	
M. S. Hodgson, material and labor,	16	32	
R. Curry, "	10	33	
T. J. Hartnett, " "	3	50	
P. Y. Hoseason, "	2	67	
A. B. Sparrow, "	2	25	
G. M. Cooledge, hay,	15	97	
R. M. Flint, "	10	16	
C. Decker, "	8	40	
J. A. Newell, "	8	18	·
A. R. Eaton, "	5	67	
Sabin & Page, supplies,	6	17	
Jenkins Bros., "	6	16	
S. F. Cate, use of teams,	8	0.0	
G. W. Bush, "	2	00	
J. R. McLaughlin, care of sick horse,	3	33	
-			
Amounts carried forward,	\$5,574	77	\$5,700 00

Amounts brought forward, B. H. Huestis, serving notices, G. H. Marsh, " " R. M. Lucas, " " Sundry small bills,	-3	77 00 00 00 00 86	\$5,700	00
Total, as per item No. 45 of exper	ises,		5,590	63
Balance unexpended, transferred into	Γreasury,		\$109	37
Water Construc	tion.			
Total expenditure to Dec. 31, 1881,			\$870,813	73
Pay-rolls of laborers,	\$10,509	67	F	
Warren Foundry & Machine Co., iron	<i>#</i> ,			
pipe,	9,225	18		
Davis & Farnum M'f'g Co., castings, etc.,	,			
Boston Machine Co., hydrants, etc.,	1,981			
Higgins & Nickerson, contract on	, , , , , , , , , , , , , , , , , , , ,			
dwelling house,	4,484	81		
Charles H. Hale, contract on dwelling	,			
house,	1,375	93		
Walworth Man'f'g Co., supplies,	1,375			
George McQuesten & Co., lumber,	1,161			
J. G. & N. G. Gooch, "	287			
Chapman Valve Man'f'g Co., valves, etc.,	670	25		
Chadwick Lead Works, lead,	665	59		
Boston & Albany Railroad, freight,	743	54		
New York & New England Railroad,				
freight,	66	27		
Waldo Bros., cement,	533	75		
Smith & Glidden, brick,	501	25		
John Cavanagh & Son, labor,	461	69		
City Iron Foundry and Chain Works,				
gate boxes, etc.,	403	18		
Estate of S. Goddard, land,	292	50		
George A. Goodyear, powder and fuse,	191	75		
Amounts carried forward,	\$37,601	22	\$870,813	73

Amounts brought forward,	\$37,601 2:	\$870,813 73
Benj. S. Grush, services, etc.,	174 5	
E. Smead & Co., grain,	139 2	9
The Oakes Man'f'g Co., drinking foun-		
tains,	100 0)
Kendall & Roberts, material and labor,	304 1	7
The Pettee Machine Works, material		
and labor,	$149 \ 5$	6
Charles Scott, material and labor,	96 4	5
Milo Lucas, " "	40 4	0
M. S. Hodgson, " "	$25 \ 7$	7
R. Curry, " "	15 5	0
J. D. Billings, " "	15 0	3
Isaac Smith, " "	6 0	0
P. Y. Hoseason, " "	4 0	0
A. B. Sparrow, " "	3 3	8
Timothy Stuart, labor, men and teams,	262 6	
James E. Cahill, ""	5 2	
F. H. Hunting, expressage,	27 1	
F. Jones Express, "	21 8	
C. G. Perry, "	3 3	
A. F. Noyes, sundry cash expenses,	22/3	
H. N. Hyde, Jr., "	4 3	0
Pulsometer Steam Pump Co., use of		
pump,	87 0	
Hall Rubber Co., rubber boots,	37 6	
W. J. Condon, tests, etc.,	30 7	5
Thomas McKinley, services inspecting		
pipe,	20 0	
F. E. Hamblin, drain pipe,	19 0	
Simpson Bros., concreting,	16 5	
N. & W. Gas Light Co., coke,	15 0	
Thomos Croker, labor,	10 0	
James Hennesey, sand screen,	8 5	
Dalton & Ingersoll, force pump,	7 0	
Speare, Gregory & Co., oil,	6 5	6

Amounts carried forward,

\$39,280 15 \$870,813 73

Amounts brought forward,	\$39,280 15	\$870,813 73
J. R. McLaughlin, care of sick horse,	5 00	*,
F. L. Thayer, prof. services,	3 00	
Mrs. P. Sullivan, meals for laborers,	3 00	
M. Hewitt, blacksmithing,	128 07	
J. C. Farrar, "	110 37	
J. E. Keegan, "	81 87	
C. A. Cole, "	63 16	
A. Danforth, Agt., "	56 44	
J. McFadden, "	44 58	
P. A. Murray, "	26 00	
A. Peters, "	23 57	
B. F. Barlow, "	11 99	
Thomas Belger, "	8 04	
D. Harrington & Son, use of teams,	59 00	
Stephen F. Cate, use of teams,	17 50	
G. W. Bush, "	6 00	
Nonantum Stables, "	4 00	
G. M. Cooledge, hay,	23 99	
R. M. Flint, "	15 28	
Conrad Decker, "	12 60	
John A. Newell, "	$12 \ 27$	
A. R. Eaton, "	8 47	
G. W. & F. Smith, Iron Foundry, sup-		
plies,	110 82	
Dodge, Gilbert & Co., supplies,	80 98	
Henry N. Stone, "	80 40	
Parker & Gannett, "	69 52	
Howe & French, "	63 44	
T. J. Hartnett, "	34 20	
Sewall & Day Cordage Co., "	$33 \ 92$	
Boston Belting Co., "	29 28	
G. Wadleigh, "	23 44	
Gould Packing Co., "	19 20	
Jenkins Bros., "	18 38	
L. N. Hatch,	17 45	

\$40,585 38 \$870,813 73

Amounts carried forward,

Amounts brought forwar	rd,	\$40,585	38	\$870,813 73
The American Fire Hose	Man'f'g Co.	,		
supplies,		15	44	
Joseph F. Paul,	supplies,	15	00	
H. R. Worthington,	66	14	50	
A. J. Wilkinson & Co.,	66	14	25	
C. W. Morehouse,	66	14	16	
Bakers & Humphrey,	"	12	88	
A. B. Franklin,	"	11	86	
Chas. W. Traner & Co.,	66	9	75	
Sabin & Page,	44	9	25	
B. Billings,	66	8	95	
A. S. Morss,	66	7	50	
Samuel May & Co.,	"	6	42	
O. B. Leavitt,	66	4	40	
Thomas C. Lothrop,	66	4	32	
C. F. Eddy & Co.,	66	3	05	
Sundry small bills,		19	03	
Total, as per item No. 40	of expenses		14	
Rec'd from Warren Four dry and Machine Co amount paid Boston & AlbanyRailroad,freigh	1- V., &			
on iron pipe, Rec'd from Warren Four dry and Machine Co for overcharge on iro	\$297 98 a-			
pipe, Rec'd from Walworth M'f' Co., refund on bill of	75 00 'g)		
supplies,	7 24	:		
Total, as per item No. 30	of receipts.	, 380	22	40,375 92
Total expenditure to De	ec. 31, 1882,			\$911,189 65

SCHEDULE OF CITY PROPERTY, REAL AND PERSONAL.

Almshouse Department.

70 acres of land, Buildings,	\$7,000 00 8,000 00	
Personal Property,	3,947 35	
		\$18,947 35
'City Hall Depar	rtment.	
City Hall, furniture and fixtures,	\$50,000 00)
City seal,	25 00	
City stamps,	35 00)
Reports, statutes and special laws,	300 00	
Set of standard weights and meas	;-	
ures,	100 00)
Record books,	200 00)
Book-cases, maps, etc.,	500 00	
		51,160 00
Cemetery Depar	rtment.	
Land in Newton Cemetery,	\$2,000 00	
Tomb, " "	800 00	
		2,800 00
City Engineering D	epartment.	
Two transits, \$150 each,	\$300 00	
Three " 100 "	300 00	
Two levels, 120 "	240 00	
Draughting materials,	126 00	
Draughting materials,	120 00	

Amount carried forward,

Surveying

Horse, wagon, etc.,

Tools,

\$74,283 35

1,376 00

48 00

12 00

350 00

132,800 00

Fire	Department.
------	-------------

Steam Fire Engine House, No. 1 Engine		
and apparatus, horses, furniture,		
stable and land,	\$19,000	00
Steam Fire Engine House, No. 2 Engine,		
apparatus, horses, land, etc.,	25,000	00
Steam Fire Engine House, No. 3 Engine,		
apparatus, horses, furniture, stable,		
land, etc.,	25,000	00
Hook & Ladder House, stable, land,		
horses, truck, reel, hose, etc.,	22,000	00
Hose Station No. 5, stable, horse, hose,		
reel, etc., Auburndale,	6,400	00
Hose Station No. 6, stable, horse, hose,		
reel, etc., Lower Falls,	8,400	00
Hose Station No. 7, hose carriage, horse,		
hose, etc., Upper Falls,	7,000	00
Fire Alarm Telegraph, including team,		
etc	20,000	00

Free Library Department.

		P	
Newton Free	Library, building	and	
land,		\$42,000 0	0
Books,		10,000 0	0
			- 52,000 00

Gravel and Gravel Lands.

Land on	Jewett Street,	Ward 1	, \$2,000	00
"	California Street,	" 1	, 6,600	00
66	Crafts Street,	" •)	500	00
"	Chapel Street,	" 2	, 100	00
66	Watertown Street,	" 2	, 1,000	00

Amounts carried forward, \$10,200 00 \$259,083 35

Amounts brought forward,	\$10,200 00	#250 Acc 25
Land on Faxon Street, Ward 2	200 00	
" " " 2,	$\frac{200}{200} \frac{00}{00}$	
" Auburndale Avenue, " 3,	1,200 00	
" Pine Street, " 3,	250 00	
" " " 3,	2,000 00	
"""""""	550 00	
Gravel on Washington Street, "4,	1,000 00	
" " " 4,	1,400 00	
wainut Street, "6,	300 00	
Elliot Street, " 5.	500 00	
Parker Street, " 5	250 00	
Land East of Oak Street, Ward 5,	1,200 00	
Land on Willow and Centre Streets,		
Ward 6,	500 00	
Land on Florence Street, Ward 5,	800 00	
Beacon Street, " 6,	200 - 00	
" Homer Street, " 6,	5,000 00	
		25,750 00
Highway Departm	ent	
1 steam road roller,	\$6,000 00	
21 cart horses, \$225,	4,725 00	
3 horses, \$100,	300 00	
2 horses for Superintendent of Streets,	375 00	
20 double and single carts.	2,500 00	
43 harnesses,	850 00	
4 double sleds, \$200,	800 00	
2 stone crushers and houses,	4,000 00	
2 stone wagons, wagon, carriage and	,	
sleigh,	$525 \ 00$,	
Tools, chains, derricks, blankets, etc.,	1,600 00	
1 road scraper,	150 00	
		21,825 - 00
Lighting Departme	nt	
For 1,180 posts, lanterns, burners, etc., \$10,		11 000 00
		11,800 00
Amount carried forward,		\$318,458 35

Police Department.

Station-house, building and land, North		
Village,	\$4,000	00
Furniture and bedding,	50	00
Lock-up, furniture and bedding, Ward 1,	1,050	00
" " " ,	1,575	00
Wagon and harness,	150	00
Horse, saddle and bridle,	200	00
66 66	125	00
15 pairs handcuffs, \$3.75,	56	25
13 clubs, \$2,	26	00
6 lanterns, \$2.50,	15	00
16 badges,	100	00
15 parade clubs and belts, \$3.50,	52	50
Blankets,	50	00
Record books,	50	00
Furniture in station at City Hall,	75	00

7,574 75

School Department.

High School b'ld'gs, furniture and land, \$5	7,000	00
Mason School-house, " 49	9,100	00
Hyde " " 29	2,000	00
Prospect " " 30	0,000	00
Prospect "No. 2, " "	3,000	00
Oak Hill, " " " 1:	2,000	00
Hamilton, " " 29	3,000	00
Williams, " " 2"	7,000	00
Pierce, " " 35	2,000	00
Davis, " " " 18	3,000	00
Franklin " " " 15	5,000	00
Claffin " " 33	1,900	00
Adams " " 22	2,000	00

Amounts carried forward,

\$345,000 00 \$326,032 80

Amounts b	rought	forward,	\$	345,000	00	\$326,033	10
	-	se,furniture and	land	34,000	00	• /	
Underwood	"	"	"	24,000			
Lincoln	"	6 ;	"	5,500	00		
Jackson	"	"	66	14,000	00		
School appar	ratus,			5,000	00		
School-house	e lot or	n Pearl Street,		2,000	00		
						429,500	00
		Water Dep	artm	ent.			
Building for	pipe fi	ttings, etc., stab	ole ar	d land,		3,500	00
3 horses, was	500	00					
						\$759.533	10

For cost of Water Works, see Water Construction Account.

Table Showing the Number of Polls, Real and Personal Estate of the City, Amount of Tax, Rate Per Cent., Appropriations, Etc., for Twenty-Two Years.

Houses.	1,330	1,374	1,399	1,421	1,438	1,491	1,552	1,671	1,826	2,077	2,220	2,392	2,523	2,657	2,876	3,004	3,057	3,150	3,178	3,214	3,257	3,310
Appropriations.		_		52,500 00	_	_	_	_	_	_	_	_	_		-					_	416,505 00	423,930 00
Rate.		09 9		9 50						12 20								13 80			14 00	14 20
City, State and County Tax.	\$57,804 88	669	64,968 65	_	991	114,149 59	060	807	066	222,514 71	150	314	384,089 84	393	. 986	201	370,319 38	352,942 43	326,959 64	361,139 40	379,434 18	383,633 00
Total.				7,946,776 00		10,955,559 00	12,222,412 00		_	17,737,992 00	19,386,013 00		25,984,050 00			28,200,965 00	26,634,513.00	25,012,930 00	23,787,352 00	25,200,100 00	26,408,273 00	26,380,718 00
Per onal.	\$1,955,835 00	2,495,821 00	2,988,195 00	21	. 67(4,560,724 00	_	305	5,634,266 00) 전	6,615,593 00	000	22	945	7,882,374 00	7,072,845 00	6,627,488 00	6,408,825 00	6,330,697 00	7,481,830 00	8,169,763 00	7,450,233 00
Real Estate.	\$5,644,285 00	5,476,805 00	5,504,367 00	55 (_	6,394,835 00	7,227,285 00	9,104,567 00		_		_	18,446,275 00	20,032,800 00	$\overline{}$				17,456,655 00	_	18,238,510 00	18,930,485 00
Polls.	2,056	1,989	1,911	2,046	2,118	2,297	2,438											3,885				7,505
A. D.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.

TABLE

Showing Amount Paid for Support of Poor Out of Almshouse from 1851 to 1882, Inclusive.

1851			\$138 56	1867		\$1,268 08
1852		Η.	104 94	1868		1,464 53
1853			45 70	1869		2,019 28
1854	. '		38 10	1870		2,197 41
1855			73 63	1871		3,713 39
1856.			135 49	1872		2,884 79
1857			204 96	1873		3,066 59
1858			387 61	1874		3,895 51
1859			358 25	1875		5,553 79
1860			500 81	1876		9,336 14
1861			757 14	1877		10,259 57
1862			781 50	1878		8,284 10
1863			632 27	1879		8,246 42
1864			$605 \ 02$	1880		6,455 80
1865			870 77	1881		6,808 75
1866			$643 \ 72$	1882		7,933 57

SALARIES OF CITY OFFICERS, 1883.

Mayor,	\$1,000 00
City Clerk,*	2,000 00
City Treasurer and Collector,	2,700 00
Assistant Treasurer and Deputy Collector,	900 00
City Auditor,	2,000 00
City Solicitor,	1,000 00
Chairman of Assessors,	1,200 00
Two Assessors, each,	$750 \ 00$
Assistant Assessors, each per day,	4 00
City Messenger,	1,100 00
Clerk of Common Council,	$2\bar{0}0 \ 00$
Sealer of Weights and Measures,	75 00

^{*} After April 1, \$1,800.

HIGHWAY DEPARTMENT.

Superintendent of Streets, two horses	and carriage		
furnished,		\$1,400	00
City Engineer,		2,000	00

FIRE DEPARTMENT.

Chief of Department, team furnished,	\$1,400 00
Assistant Chief,	300 00
Superintendent of Fire Alarm Telegraph,	1,000 00
Three Engineers of Steamers, each,	950 00
Four Drivers of Steamers and Hook and Ladder Co.,	
each,	750 00
Eight Foremen of Steamers and Hook and Ladder	
and Hose Co., each,	90 00
Eight Assistant Foremen and Clerks of Steamers	
and Hook and Ladder and Hose Co., each,	75 00
Fifty-eight hosemen and laddermen, each,	70 00

POLICE DEPARTMENT.

City Marshal, team furnished,	\$1,300 00
Sergeant of Police,	1,000 00
Two mounted policemen, each,	900 00
Ten policemen, each,	900 00
One policeman,	825 00
One policeman,	750 00
First year of service,	750 00
Second year of service,	825 00
Third and subsequent years,	900 00

POOR DEPARTMENT.

Seven Overseers of Poor, each,	\$50	00
City Almoner and Clerk of Board,	700	00
Warden of Almshouse,	600	00

WATER DEPARTMENT.

Water Registrar,	\$1,800	00
Superintendent of Water Works, team furnished,	1,500	00
Inspector of Meters and Fixtures,	1,050	00
Engineer at Pumping Station, with house rent,	1,200	00
Fireman and Watchman, Pumping Station, with		
house rent,	600	00

SCHOOLS.

Superintendent,	\$2,700 00
One teacher,	2,800 00
Four teachers, at \$1,900,	7,600 00
One teacher,	2,000 00
Three teachers, at \$1,800,	5,400 00
Three teachers, at \$1,500,	4,500 00
One teacher,	800 00
Three teachers, at \$1,000,	3,000 00
One teacher,	950 00
One teacher,	900 00
Twelve teachers, at \$750,	9,000 00
Forty teachers, at \$600,	24,000 00
One teacher,	550 00
Five teachers, at \$500,	2,500 00
One teacher,	400 00
Two teachers, at \$300,	600 00
One teacher,	200 00
Secretary of School Committee,	300 00

Janitors.

One Janitor,	\$650 00
"	626 00
44	540 00
	$425 \ 00$
"	400 00
44	300 00
"	275 00
Two Janitors, at \$240,	480 00
One Janitor,	216 00
44	120 00
Two Janitors, at \$96,	192 00

LIBRARY.

Librarian,	\$1,000	00
Assistant Librarian,	600	00
Three assistants, each \$400,	1,200	00
Janitor,	800	00

THE NUMBER OF BIRTHS, MARRIAGES AND DEATHS IN NEWTON FOR THE YEAR 1882, are as follows:—

Births,	411
Marriages,	184
Deaths	259



OVERSEERS' REPORT. 1882.



REPORT OF THE OVERSEERS OF THE POOR.

To the City Council of the City of Newton, the Board of Overseers of the Poor respectfully submits its Annual Report.

The work of the department has been carried forward under the same general system as in previous years.

The year has been one of general business prosperity, with work during a large part of it for all who desired it.

The winter months bring the usual scarcity of out-door work, and the usual calls, both from the improvident who have not in summer laid up for winter, and also from those who are not able thus to provide.

With no prevailing sickness, there has been no unusual call for public aid. The ordinary calls for temporary aid have been somewhat in excess of last year, and the current expenses, at the Insane Hospitals have been increased, notwithstanding the fact that some patients have been transferred from them to our Almshouse.

A large proportion of the outside temporary aid is called for by the families of widows and of those deserted by the father. These, in some cases, earn by their labor a considerable part of their support, while in others they are able to do but little, and consequently draw heavily from the city.

The increased cost of most of the necessaries of life has caused an advance in the current expenses of the department during the year. It is always difficult to keep the amount of expense at a satisfactory figure, and at the same time to meet the demands of a just and humane policy. The lowest figure in expense is not the highest aim of the Board. The aim is rather to promote the highest interests of the wards of the City without unreasonable expense on the one hand, or a parsimonious administration on the other.

Correspondence has been held with the superintendents of the several Insane Hospitals with reference to transferring to Newton

Almshouse such of our insane as they could recommend for removal. Taking only such as they have advised, we have transferred these, and shall continue this policy in the future so far as seems desirable.

The whole amount appropriated by the City Council for this department for the year 1882, was as follows:

Poor out of Almshouse,	\$7,500 00
Almshouse expenses and repairs,	3,500 00
Enlargement of Almshouse,	4,000 00
Additional and transfer,	900 00
Total,	\$15,900 00
The whole number of persons relieved out of Alms-	
house during the year,	355
Having legal settlement in Newton,	220
Having settlement in other cities and towns,	63
Having no settlement,	72

The whole amount expended for relief of Poor out of Almshouse for the year is as follows:

Cash payments,	\$491	
Groceries,	1,541	
Fuel,	972	
Clothing,		14
Board,	276	03
Medical attendance,	341	25
Medicine,	100	99
Burials,	113	00
Feeding travellers,	45	40
Support of insane,	2,105	
Paid other cities and towns,	861	
Commonwealth of Massachusetts,	20	
Salary of Clerk and Almoner,	700	
Salaries of Overseers,	350	
Salaties of Overseers,	300	
Total expenditures, Receipts from the State, other cities and towns,	\$7,933	57
and friends of the relieved,	1,314	88
Net cost of Poor Out of Almshouse,	\$6,618	69
Amount of appropriation,	\$7,500	00
Balance of appropriation unexpended, net,	\$881	31

At a full meeting of the Board of Overseers held at the Almshouse March 7, 1882, after a general discussion of the condition and wants of the Almshouse department, the following vote was passed: "Voted, That the clerk cause an order to be introduced at the next meeting of the Common Council for an appropriation of \$4,000, to be applied to the enlargement and repair of the Almshouse, and that he at that meeting give all necessary information and reasons for the appropriation." An order in accordance with this vote was introduced, and was passed by the City Council. Subsequent committees procured plans and specifications, and proceeded with the work, which was completed in July.

The enlargement consists of an addition of two stories in height on the back of the building, extending its entire length of 100 feet, and 14 feet in width. This gives 14 feet additional length to the dining room and kitchen, an enlarged pantry and store room, and an enlarged and sunny men's sitting room. There are also hospital rooms, a separation between the men's and women's apartments, and an entire rearrangement of bed rooms, giving a large proportion of single rooms.

The arrangement now consists of 18 small and 8 large bed rooms, 4 square hospital rooms, 1 cell room, men's sitting room, bath room, and enlarged pantry, kitchen, and dining room. The latter is also a commodious and useful apartment for religious meetings, which are held here during the summer, with preaching by the several pastors of the city.

The Warden's apartments remain as before with the exception of repairs. Rooms for bathing and water closet are reserved in this part but not yet furnished.

The building enlarged would have required a new furnace in connection with the two old ones, both of which needed repairs. As very favorable figures were secured for the enlargement, it was found that steam heating apparatus could be put in and be covered by the appropriation for enlargement. Consequently the old furnaces were taken out, and steam works were put in by Mr. F. W. Foster of 90 Friend street, Boston. These works prove entirely satisfactory and most acceptable to the Warden's family, and to the inmates. The liability to accidental fires is greatly lessened by this change. The enlargement of the house was made in a substantial and acceptable manner by Mr. Milo Lucas of West Newton.

In enlarging the house it was found necessary to move the wash house. This has been put in good order, furnaces rebuilt, cement floor laid, and good drain. These repairs would have been necessary if the building had not been moved. It became necessary also to remove a part of the long shed in the rear of the house. This has been attached to the barn, making a convenient wagon and store shed. The ample cellar gives a large wood room and the remainder is divided and used for meat, milk, fruit, vegetable, and boiler rooms.

A line of main water pipe has been laid from the street to the space in front of the house, where a hydrant is placed. This, with 200 feet of hose always attached and ready to run out, it is hoped, will render effective service in the earliest moments of a fire on the premises, should we be so unfortunate as to have such a visitation.

The barn is yearly filled to its full capacity, and it may soon be found necessary to extend it or dispose of a part of the hay crop in the field.

The business of the house and farm has been conducted with the usual efficiency and success by the Warden and his wife, with the aid of their son.

The inmates have enjoyed good general health, which testifies to the careful and proper treatment which they receive.

Single iron bedsteads have taken the place of the old and worn out wooden ones to a considerable extent.

The work of general repairs, which of necessity came in connection with the enlargement, has caused the item for Almshouse expenses and repairs to exceed the appropriation, which was the same as in former years. There has been added to the equipment of the farm, a horse, cow, express wagon and hay tedder.

The drought of the summer prevented the receipts making as good a showing as was anticipated in the early part of the season, yet they are considerably in excess of the previous year.

The house and farm in their present condition and good management deserve a visit from citizens interested in this department of City work. The house now is such in capacity and equipment that the Board can, as occasion requires, refuse aid excepting at the Almshouse. It has been impracticable in the past, from lack of accommodations, to do this in many cases where it seemed

desirable. Although the comforts at the Almshouse are complete, a refusal to aid except there, proves in many cases an end of calls for aid.

The whole number cared for at the Almshouse during all or part of the year is Present number, Average number for the year,		52 30 28
The whole amount appropriated for Almshouse expenses and repairs was For enlargement of Almshouse, Additional for repairs, Transferred from Almshouse receipts,	\$3,500 4,000 600 300	00
Total appropriation and transfer, Expense and repairs with enlargement,	\$8,400 8,390	
Balance unexpended,	\$9	17
Amount received from sales of produce, wood, board, etc., Transferred to expenses and repairs,	\$1,843 300	
Amount less transfer,	\$1,543	51
Receipts deducted from whole expense, Net cost of poor out of Almshouse,	\$6,847 6,618	
Total cost of Poor Department for the year, net,	\$13,466	01
Total appropriation with transfer for Poor Department,	\$15,900	00
Unexpended balance of whole appropriation, net,	\$2,433	99

For the Overseers of the Poor,

NATHAN MOSMAN, Clerk.

February 1, 1883.



HEALTH OFFICER'S REPORT.

1882.











REPORT OF HEALTH OFFICER.

Office of the Health Officer, West Newton, Feb. 1, 1883.

TO THE BOARD OF HEALTH:

Gentlemen:—The City has been highly favored during the past year by the absence of any general or prevailing sickness. Of diseases classed as dangerous to public health, only scattered and isolated cases have been reported. This must be attributed in part, at least, to favorable climatic influences; for sources of danger still exist, and in an unfavorable season are liable to make a much larger showing in reported cases of sickness. A systematic inspection of the City would doubtless reveal the fact that danger often exists which is not reported to the Board of Health, and therefore not corrected.

The work of the Department opens an unlimited field for effort when in the judgment of the Board the time shall have arrived for enlarged operations and increased expense. The claim of danger to public health arising from imperfect or wrong sanitary arrangements is not theoretical and imaginary, but an existing reality wherever human beings dwell, and Newton is not an exception to the rule.

Work for arresting and preventing sickness in this direction will be always ready and endless. There are, no doubt, many dangerous wells still used for domestic purposes which should be discontinued, but which can only be proved unsafe by chemical analysis. This, on a general scale, would involve large expense. The introduction of Newton water into dwellings should be urged in all practicable ways. So far as pure water is carried into houses for domestic uses, so far to a large extent is health and life insurance carried with it.

There is neglect in care of premises, and of sanitary laws concerning ventilation, drainage and plumbing; also in the care of cesspools and privy vaults, which, in the ordinary workings of nature, will cause sickness, and often of obstinate and incurable character.

A large part of the City is of old construction, and, with its mistakes, is a legacy to the present generation that will require constant watching and working to control and keep in safe condition. Reported cases of unsafe premises and of dangerous diseases receive attention, and much discomfort and sickness is doubtless prevented by the operations of the Board.

In the early part of the year 1881, there were many cases of diphtheria reported from the tenement houses of the Newton Mills Corporation at Upper Falls. An examination showed the sanitary condition of the whole tenement property to be bad. The ground water was near the surface, being abundant in the shallow wells which were used as the common water supply. The privy vaults, probably well built originally, had become old and leaky. The house drainage had filled the soil to a large extent, so that by these several causes the springs, doubtless excellent originally, had, by fifty years' occupancy of the premises, become badly contaminated, and unfit for domestic use.

An effort was made to have City water put into the tenements. This was successful, the Corporation furnishing all the houses with Newton water with the exception of a few on the highest locations.

The Corporation also, acting with the City and sharing the expense, laid a large drain down Chestnut Street, which passes through these premises, to carry off the ground water.

It is a noticeable fact that the map of 1881, kept for the purpose, which is thickly marked with diphtheria cases which occurred previous to this work being done, does not show a reported case since that time, a period of about one and one-half years; the result giving good testimony to the cause of sickness, and the need and effectiveness of the work performed to remove it.

There has been no unusual occurrence in the work of the Department during the year, with the exception of one case of small-pox. This was reported in April, was removed to the house purchased for this use in the previous year, joining the Almshouse farm, and was dismissed after six weeks. All possible precaution was used at the house from which the patient was removed, and also at the paper mill where it was supposed the disease was contracted. It was supposed to have been brought in the rags. No other case appeared. The Hospital proved an opportune investment, and served an important end. A small amount of money

could be well expended in improvements about this house, and in the purchase of a second-hand carriage for an ambulance.

Free vaccination for all not able to bear the expense has been continued during the year, as in the previous one, at the expense of the City.

The school-houses have received special attention from the proper authorities, and will doubtless in the future be found in more satisfactory condition than ever before. No amount of money, however, expended in fixtures and apparatus, will meet the just and fair demands of citizens in these matters, unless there be also constant and careful attention on the part of those directly in charge of these affairs. There has been a striking difference in the past in the condition of the several houses having equal advantages of construction.

The attention of the Board is again asked to the consideration of the matter of bathing facilities in winter, at cheap rates or free, for those who have none at all, and especially for attendants of the schools. This, if favorable, would doubtless receive commendation from teachers, physicians, and all who have given attention and thought to the matter.

Complaints of stables for cattle in villages continue to such an extent as to call for attention. Should license be required for these establishments, it would assist in controlling this somewhat troublesome item of health work.

The collection of house offal has been made by the party contracting to do this work in a satisfactory manner, and with comfort to citizens. One thousand two hundred dollars is paid for collection for the year, and the material is carried out of the City.

Trouble in several cases has arisen from the fact that the licensed agents have not properly disposed of the contents of vaults and cesspools after removing them from premises, the material having been deposited on land near to dwellings and left uncovered, to the discomfort, at least, of citizens, and in some cases becoming a greater nuisance than before removal.

With very few exceptions, citizens have cheerfully co-operated in the work of the Board, although often at considerable inconvenience and expense to themselves.

Respectfully submitted,

NATHAN MOSMAN, Health Officer.



CITY MARSHAL'S REPORT. 1882.



REPORT OF CITY MARSHAL.

Office of the City Marshal, West Newton, Dec. 31, 1882.

TO HIS HONOR THE MAYOR AND THE CITY COUNCIL OF NEWTON:

Gentlemen: — I have the honor to present for your consideration the Ninth Annual Report of the Newton Police Department, for the year ending December 31, 1882. Without individious discrimination, it may be stated that, as a whole, the service of the Department has been faithfully and efficiently rendered, the maintenance of order and the prosecution of crime having been conserved with all reasonable care and vigilance. Numerically, the Department remains unchanged from the previous year, consisting in all of sixteen men-two of them mounted patrolmen, one stationed at Newton Centre, and the other at Newtonville-the men composing the force being, with two exceptions, the same as in 1881, the two new men filling vacancies caused during the yearone by resignation, the other by discharge. As a matter of public protection and requirement, the City Marshal earnestly recommends an addition of three men to the present force—two for special service, with headquarters at City Hall; and one at Newton Centre. As thus constituted, the force would be much better fitted for its general service, as well as for special emergencies connected with the better protection of life and property, and the more effective enforcement of law.

The gross amount of Department compensation and expenses for the year aggregates \$17,558.39, and the receipts into the City treasury from fees of officers, sale of unclaimed property, etc., amount to \$957.62, thus making the net expenditure \$16,600.67.

It is again respectfully suggested that the convenience of both the Police and Fire Departments of the City will be very essentially advanced if the Police Station for Wards One and Seven could be removed to a more suitable locality. Police Stations Two, Three and Four are in excellent condition, and are adequate for their requirements.

A brief exhibit of the Department service for the last year shows the following results:—

General	Statistics.
UCIICIAI	Dualistics.

Number of	Arrests,	410	Number of Search War-	
"	Males,	377	rants served,	47
66	Females,	33	Number of Truant cases re-	
44	Americans,	50	ported and investigated,	60
44	Foreigners,	360	Number provided with	
66	Minors,	95	Lodging,	557
44	Commitments,	46	Lost and stolen property restored to owners, \$4,643	00

Nativity of Prisoners.

	•		
United States,	125	Germany,	20
British Provinces,	13	Scotland,	5
Ireland,	221	- Italy,	1
England,	18	Negro,	4
France,	2	Sweden,	1

Nature of Crime.

Assault and battery,

Common drunkard,

" telonious,	6	Contempt of court,	3
" on officer,	1	Cruelty to dumb animals,	13
Adultery,	1	Defacing a public building,	6
Arrested for out of town		Disturbing the peace,	77
officers,	5	Drunkenness,	99
Attempt to bribe a witness,	1	" second offence,	11
" at larceny,	1	" third offence,	1
" " child murder,	1	Forgery,	1
Bastardy,	1	Embezzlement,	2
Breaking and entering,	17	Evading car fare,	3
Breaking glass,	1	Insane,	5

Incest,	1	Suspicious persons, 5
Larceny, simple,	18	Stealing a ride, 1
" felonious,	10	Trespass, 4
Lewdness,	3	Tramp, 6
Malicious mischief,	2	Violation of City Ordi-
Night walker,	1	nance, 10
Perjury,	1	Violation of liquor law, 43
Runaway,	3	Vagabond, 1
Selling leased property,	1	Vagrant, 1
	Misce	llaneous.
Accidents where assistance		Fire alarms given, 10
was rendered,	20	Horses killed, 2
Buildings found open and		Injured persons assisted, 15
secured,	55	Intoxicated persons helped
Dangerous buildings,	2	home, 124
Dead bodies,	2	Lost children restored to
Defective gas lamps,	122	friends, 15
" naphtha lamps,	211	Lanterns hung in danger-
" sidewalks,	17	ous places, 20
" streets,	12	Rescued from drowning, 1
" water pipes,	5	Notices served, 7,800
" gas pipes,	7	Nuisances, 16
Dogs killed,	8	Stray teams put up, 17
Disturbances suppressed,	61	Street obstructions re-
Fires extinguished without	:	moved, 23
alarm,	4	Water running to waste, 16

It appears that the whole number of arrests during the year was 410, an increase of only eight over the previous year; while the number of tramps provided with city hospitality was 557, against 432 in 1881. Among the miscellaneous results of the year's service has been the recovery of a large amount of stolen property.

The unlicensed sale of intoxicating liquors within the city limits has demanded and received diligent attention; yet a marked increase will be noted in the number of arrests for drunkenness, reaching 116 against 94 in 1881. In justice to the authorities of Newton, it should be stated that as usual a very considerable proportion of

these cases were caused by the procurement of liquor elsewhere than in our own municipality; although the arrests for violation of the liquor law were 43 against 36 in 1881, and 25 in 1880. The remark was ventured in the last Report that with "faithful co-operation on the part of officers, especially in localities most exposed to the evils of the liquor traffic, much more might be done towards their suppression." As a matter of fact it still remains to be said that, in some of these localities, officers detailed from head-quarters have performed, with remarkable success, the service required in this behalf, which should and might have been rendered by local police, who have special advantages for securing evidence and conviction. It may suffice to add, that notably in the enforcement of the liquor law, the Department has been materially aided by the judicial authority of the City as exercised through its Police Court.

So far as the preservation of good order is concerned and freedom from outward evidences of the violation of the laws and ordinances of the city, it may be claimed that the enforcement of police authority has been satisfactory to both authorities and citizens, and that Newton takes high rank among her sister cities in this regard. Yet it is believed that criticism has been extended in some directions as to apathetic discharge of duty in relation to special and not readily discoverable infractions of our laws. It should be borne in mind that the responsibility for any failure in such cases should be equally divided in accordance with the division of authority, and that the City Marshal does not possess such a degree of authority as brings with it a correspondent individual responsibility. The head of the police force should be beyond the reach of local influence, which is a power of no little significance with the neighborhood officers, and if he be competent to discharge the duties of his office, the entire control, including the power appointment and discharge, should be vested in his hands. least, his proper and well supported expression of opinion as to the fitness of the officers in his department, and as to their faithfulness in the discharge of their duties, should be deemed worthy of consideration and prompt acquiescent action unless found to be erroneous.

Police duty is peculiar in its requirements, prompt action being a vital necessity and individual and indisputable authority quite as essential. Successful appeal from the decision of the superintending power is sure to lead to weakness, insurbordination and consequent inefficiency.

The duties are also frequently of so delicate a nature that divided authority tends to non-enforcement. The officer in charge of this Department, while desirous of placing it in a correspondent rank with the other departments of Newton, will willingly accept the responsibility, with all the additional labor thereby imposed, should the government deem it wise to invest him with the power of control, without which, successful administration is impossible.

Justice to the police force requires the acknowledgement that, as a rule, its conduct has been gentlemanly, and its discipline good. In many respects the year has witnessed improvement; in others, there is room for more. Thanks are due to all whose co-operation and faithfulness have contributed to the efficiency of the Department.

Respectfully submitted,

R. L. HINDS,

City Marshal.







CITY OF NEWTON, MASS.

Department of Water Works.

FIFTH ANNUAL REPORT

OF THE

WATER REGISTRAR

TO THE

CITY COUNCIL.

December 31, 1882.



BOSTON: Geo. H. Ellis, Printer, 141 Franklin Street. 1883.



CITY OF NEWTON, WATER REGISTRAR'S OFFICE, CITY HALL, Dec. 30, 1882.

To His Honor the Mayor and the City Council of the City of Newton:

In accordance with section six of the Water Ordinance, I herewith submit my report of the operations of the Water Department for the year ending- Dec. 31, 1882.

The Joint Standing Committee on Water, under whose management and control the works have been during the past year, has consisted of Alderman Cate (chairman), Alderman Kimball, Councilmen Bunker, Smith, and Freeman.

The business of the Department has been unusually large, and it has been necessary for the Committee to devote a large amount of time to its attention. At the beginning of the year, they voted that they would not recommend to the City Council the laying of any water main, the proposed location of which had not been visited and inspected by at least a majority of the Committee. This alone imposed quite a burden upon them, which was much increased by the work at the Pumping Station, the New Dwelling, etc.

The usual policy of the Department in regard to requiring a guaranty on account of all new mains petitioned for has been adhered to by the Committee during the past year, and no mains have otherwise been laid.

The close of the year 1882 marks an important epoch in the management of our works. By the adoption of the new Water Ordinance on the 30th inst., the City Council have provided for the future management of the works by a Water Board, instead of a Committee of the City Council. This change cannot fail, if we consider the experience of other cities, to be of advantage to the Water Department and to those doing business with it.

Following will be found an account in detail of the main pipe, service pipe, etc., laid during the year with the receipts, expenditures, and other matters required by the ordinance. The work on the New Dwelling and that at the Pumping Station has been done under the direction of the City Engineer, to whose report I would respectfully refer you for a more detailed description than that herein contained.

Table showing Location, Length, Size, Cost, Etc., of Main Pipe Laid during 1882."

Tandra	.bī	TACATOR SOCI	Length in	Length in feet of each size.		-		
OLIVER.	Ma	LOCATION.	8-inch.	6-inch.	4-inch.	Ή	Yards Rock.	Cost.
Auburndale Avenue,	4	From Rowe Street, east,		1,568				\$1,579.06
Auburndale Avenue,	41	" River Street, west,	•	419	•	_	•	464.24
Deacon,	0	Crystal Street, west,	1,211		•	H	137.5	2,078.46
brook,	7	" Elmwood Street, north,	•		145	•	•	148 00
Cabot,	61	Extended east,	•	130	•	•	•	152.27
Chaffin,	Н	From Centre Street, west,	•	357	•	_		497.69
Chesley Place,	63	" Central Avenue, west,	•		203	•	•	181.95
Clinton and Hawthorn,	61	" Adams Street, west,		450	250	_		735.79
Converse,	-	" Centre Street, west,	•	1,171	•		8.19	1,483.36
Cook,	S	" Winchester Street, west,	•	69	122	_		235.23
Crescent,	(3)	" Auburn Street, north,	•	450	•	_	•	614.14
Cypress,	9	" Parker Street, south,	•	180	•		. 2.6	274.58
Fisk,	-	" Converse,		34	174	•	•	275.83
Forest Avenue,	03 1	" Mt. Vernon Street, south,	•		343		. 73.8	774.56
Clobs,	9	" Centre Street, east,		•	592		2.4	246.87
Clobs,	9	" Sumner Street, east,		•	418		6.71	446.70
Hunnewell Avenue,	~	" Hunnewell Park, west,		254	•	<u>.</u>	•	389.22
Institution Avenue,	9	" Chase Street, south,	•	553	•	.		646.46
Kenrick and Magnolia,	~	Waverley Avenue, east and south,		902	240	_	•	1,008.21
rentick,	~	" Magnolia Avenue, east,	•	569	•	•	•	274.53
Lake Avenue,	0	" Hyde Street, north-east,	•	929	•	•	•	708.62
Maple,		Extended west,		47	•	•	•	57.14
Mt. vernon,	- 2	north,	•	813	•	•	. 14.0	1,079.51
Dombrollo and Durant	61 1	West,	•	237	•	•	•	253.90
Dear France	_	south and east,	•	165	237	-	•	470.78
Fool Farin,	4	From Beacon Street, north,	•	4	207	_	•	279.85
Flospect,	n	Washington Street, north,	•	591	•	_	•	751.31
Salgent,	~	ded	•	730	•	•	•	801.05
Sumner,	0	" north,	•	195	•	•	8.7	413.50
warren,	0	east,		388	•	•	27.0	570.87
Totals,			1,211	10,416 2,605	2,605 15	20	345.7	\$17,893.68
					-	-		

MAIN PIPE LAID DURING 1882.

RECAPITULATION.

Length o	f 8-inch pipe,							1,211 feet
"	6-inch "							10,416 "
"	4-inch "							2,605 "
Total,		٠		•		•	٠	14,232 "

18,300

610,91

10,416

10,656

2,085 23,235 3,122 2,605 4,053 2,483 4-inch. MAIN PIPE OF ALL SIZES LAID TO DEC. 31, 1882. LENGTH IN FEET OF THE DIFFERENT SIZES. 13,148 10,416 116,815 8,391 9,728 7,449 6-inch. 53,321 1,211 180 947 1,484 484 8-inch. 58,932 1,083 754 12-inch. 2,457 16-inch.

18,012

192

Laid previous to Jan. 1, 1878,

Laid in 1878,

Laid in 1879,

Laid in 1880,

Laid in 1881,

Laid in 1882,

20-inch.

24-inch.

WHEN LAID.

273,533

TOTAL.

TOTAL LENGTH OF MAIN PIPE LAID TO DATE, 343,156 FEET, OR ABOUT SIXTY-FIVE MILES.

343,156

37,583

165,947

57,627

692,09

2,457

18,012

194

Total,

14,232

SERVICE PIPES.

There have been laid during the past year 169 service pipes The average length of service pipes laid is 57 feet, the average length on private grounds being 37 feet, and in the street 20 feet. The following table gives the sizes, number, and lengths of the services laid during each month of the past year :-

							SIZ	SIZE OF PIPES.					
Month.		2 inch.	2/1	1½ inch.	н	1½ inch.		ı inch.		¾ inch.		Total.	
	No.	Length in Feet.		No. Length in Feet.	No.	Length in Feet.	,	No. Length in Feet.	No.	Length in Feet.	No.	Length in Feet.	
January,	I	67.80					:	•	2	80.05	3	147.85	
February,		•	•	•		•	•		8	65.05	8	65.05	
March,	:	•	:	•		•	2	25.30	11	598.40	13	623.70	
•	:	•		•		•		•	12	498.90	12	498.90	•
	:	•		•			н	52.75	6	745.70	IO	798.45	
•	:	•		•		•		•	36	1,783.50	36	1,783.50	
		•	•	•	н	32.95		•	91	852.50	17	885.45	
August,	•	•	•	33.25	61	48.70	7	498.00	61	1,172.80	28	1,752.75	
September,		307.25	•	•			4	295.40	12	590.40	91	1,193.05	
October,		•				· ·	6	959 40	6	731.85	18	1,691.25	
November,	:					•	. ເວ	245.35	6	915.68	12	1,161.03	
December,	•	•	•			•	61	298.55		4	61	3€2.55	
	н	375.05		33.25	3	81.65	28	2,374.75	137	8,038.83	691	10,903.53	

LENGTH OF SERVICE PIPES.

The following table gives the length in feet of service pipes laid to date:—

		W	hen	La	id.							Number.	Length in Feet.
To Jan. 1, 1878,												1,497	104,065
1878,												188	15,449
1879,												232	13,670
1880,												228	18,039
1881,												267	14,675
1882,	•	•	٠	٠	٠	٠	٠	٠	٠	٠	٠	169	10,904
Total,												2,581	176,802

SUPPLY PIPES.

The following table shows the location, size, and length of supply pipes laid during 1882:—

Street.	Ward.	Location:		Sizes.		Total.
5			2 In.	ı In.	3/4 In.	201111
Beacon, Brook, Clinton Place, . Crescent, Davis Court, . Institution Ave., Jones, Prospect,	6 7 6 3 3 6 2 3	From end of main, West, . " " " North, . " Centre St., West, . Extended North, From Washington St., North, " Chase St., North, . " Adams St., West, . " End of main, East, .	202	33 9 381 137 98 123	9	33 18 381 137 98 123 202 237
Total,			202	1,018	9	1,229

METERS.

There have been set during the past year 129 meters, of which 65 are "Worthington," 64 "Crown," and I "Boston," making the total number of meters set at date 664.

The meters have been examined at frequent intervals, as usual, and 78 of them have been repaired. The following table gives the classification of meters now in use:—

CLASSIFICATION OF METERS.

Description.				Size.				m
Description.	½ Inch.	§ Inch.	¾ Inch.	τ Inch.	1½ Inch.	2 Inch.	3 Inch.	Total.
Worthington, Union Piston, Union Rotary, Crown, Spooner, Desper,	 69	300 203 44	6 19 3	3 1 4 5	I	I	I	310 223 51 76 2 2
Total,	69	549	30	13	I	I	I	664

The policy of the city of setting meters for all applicants renders it necessary for us to have more suitable apparatus and facilities for testing the same than we now have at the Pipe Yard, and I recommend that there be fitted up in the basement of the City Hall a room especially arranged and suitably equipped for such purpose. The expense for the same would be comparatively small; and its necessity, to those familiar with the rapidly growing requirements of the meter department, is obvious.

WATER PUMPED AND CONSUMED.

There were pumped during 1882 216,859,424 gallons of water, and there were used 217,543,506 gallons. During 1881, 163,163,824 gallons were pumped, and 164,610,549 gallons were used. During the past year, the average daily consumption has been 594,930 gallons; the minimum daily

average was in January 445,257 gallons, and the maximum in August, 944,486 gallons.

Following is the average daily consumption during the last five years:—

During	1878,	,		•						326,212 gallons.
66	1879,									375,555 "
66	188o,									452,066 "
66	1881,									450,987
66	1882,									594,930 '

STATEMENT OF SERVICES IN USE, DEC. 31, 1882.

Number of services laid throughout the city, Dec. 31,			
1882,			2,581
Number of services shut off for non-payment, remaining			
off Dec. 31, 1881,	13		
Number of these services turned on during the past year,	2		
Leaving of these still shut off,		11	
Number of services shut off for non-payment during			
the past year,	I		
Number of these turned on again during the past year,	I		
Leaving of these still shut off,		0	
Number of services turned off by request, remaining off			
Dec. 31, 1881,	88		
Number of these turned on during the past year,	38		
Leaving of these still shut off,		50	
Number of these turned off by request during the			
past year,	114		
Number of these turned on again during the past year,	71		
Leaving of these still shut off,		43	
Number of services once turned on, remaining off			
Dec. 31, 1882,		104	
Number of services never turned on,		106	
Total number of services remaining off Dec. 31, 1882,			210
Leaving number of services in use Dec. 31, 1882,			2,371

RECEIPTS FOR THE YEAR 1882.

Rec	eived "	on	account of water rates of 1882, " " " 1881,			
	44	66	" meter rates,		12,493.43	
	64	66	" building rates,		55.43	\$42,432.39
Rec	eived	for	service pipes,		\$2,136.80	
	"	66	meters and setting,		2,948.60	
	46	44	repairing meters,		203.32	
	"	6.	repairing services,		31.67	
	"	46	turning off and on water, seali	ng		
			fixtures, etc.,		134 20	
	44	66	old material sold,		34.86	5,489.45
			Total receipts during 1882,			\$47,921.84

EXPENDITURES FOR THE YEAR 1882.

MAINTENANCE ACCOUNT.

Expense of Wa	iter Regis	strar's office, including spector, travelling and		\$13,500.00
		s,	\$2.487.65	
		t's office, including sal-	#2,407.05	
		, clerk hire, travelling		
, ,		Pipe Yard expenses, .		
		on, including salaries of	.,	
• •		nd Watchman, fuel, re-		
		• • • • • • • • •		
		reservoir,		
" "		mains,		
16 66		hydrants,		
"		service pipes,		
** 44		filter basin,		
٠. ،		standpipes,		
	" "	city teams,	629.17	
6		water gates,	60.56	
•• •		drinking-posts,	47.25	13,811.62
Excess of expend		appropriation,		\$311.62

SERVICE AND METER ACCOUNT.

		SERVICE	AND MET	ER ACCC)UN'	г.		
Amount of	appropri	ation, .						\$5,700.00
Expended	for new s	ervice pip	es,			\$2,10	5.16	" 371
			d for setting			2,63	5.06	
"			service p				4. 19	
44 (meters, .				1.70	
66	" inspe	ction, .					4 .0 0	
44 4	" city to	eams, .				_	0.52	5,590.63
Balance of								\$109.37
		CONST	RUCTION	ACCOUNT	Γ.			
Expended					•			\$18,756.74
44	44	-	ants,					1,941.23
"	"		ices,					3,157.36
"	66 B		dpipes, .		٠			149.70
"	66	9	s,					762.77
"	"		and repai					302.19
66	66		-offs,					28.50
44	66		ping static					824.38
46	66	" cella	r for Pipe	Yard, ba	arn,			20.63
66	66	" city	teams, .					305.43
66	46	" drinl	king-posts,	,				101.50
66	46	" engi	ne founda	tions, .				8,224.56
66	"	" new	dwelling,					5,769.06
66	44	" pipe:	s in filter l	oasin, .				412.09
Total expe	nditure o	n this acco	ount durin	g 1882,				\$40,756.14
			Cr.					
By rebate	on freight	bill, .				\$372.9	8	
						7.2		\$380.22
Net expen								\$40,375.92
"	"	"	U	us to 188	· ?2			870,813.73
66	66	66	•	1, 1882,	, 2,		<u>_</u>	911,189.65
			Dec. 3	,1,1002,	•		=	911,109.03
		INT	EREST ACC	COUNT.				
Amount ap	ppropriate	d and exp	ended for	Interes	ton	Wate	r	
	during th							\$49,600.00

Table showing Work done, Expenditures, Receipts, etc., during the Years 1878, 1879, 1880, 1881, and 1882.

	Other Sources.	\$291.89	361.29	93.34	300.08	404.05
TS.	Meters.	\$2,294.30		2,489.05	2,137.20	2,948.60
RECEIPTS	Services.	\$2,986.25	1,602.28	3,612.01	3,069.28	2,136.80
	Water Rates.	\$23,495.07	8,841.20 27,155.52 1,602.28 1,536.40	33,734.58 3,612.01	35,486 28	42,432.39
·	Maintenance	\$9,777,6\$		9,223.70	48,900.00 12,682.49 35,486 28 3,069.28	13,811.62
EXPENDITURES.	Interest.	\$44,800.00	45,500.00	47,750.00	48,900.00	49,600.00
EXP	Construction.	\$23,195.92	46,497.66 45,500.00	*21,356.77	*23,337.17	*45,966 55
	Pumped.	90 116,587,680 \$23,195.92 \$44,800.00 \$9,777.69 \$23,495.07 \$2,986.25 \$2,294.30 \$291.89	79 129,912,770	23 19 111 170,993,762	77 163,163,824 *23,337.17	1882 14,232 1,229 169 32 14 129 216,859,424 *45,966 55 49,600.00 13,811.62
	Meters	96	62	111	77	129
	. Gates.	12 13	25	61	6	14
.si	Нудгап	12	22	23	20	32
PIPE LAID.	Services.	881	232	228	267	691
	No. feet Supply.	303 188	1,227	:	2,411 267	1,229
PIPI	No. feet Main.	10,656	18,300	610,91	10,416	14,232
	Year.	1878	6281	1880	1881	1882

* Including amount expended on Service and Meter account.



PUMPING STATION.

The most important work performed by this Department during the year has been at the Pumping Station. As mentioned in my report of last year as probable, the Committee in February voted to adopt Mr. Worthen's plan of alignment of the engine, in the expectation that by such means our trouble with the engine would be reduced to a minimum, which, although not altogether satisfactory, would render the expense of a new foundation unnecessary. The plan was accordingly tried; but, not proving successful, the Committee requested the City Engineer to prepare and submit to them plans for a new foundation on the westerly side of the engine-house. Plans were in consequence prepared by him and adopted by the Committee, and authority obtained from the City Council to do the work, which was commenced in September and will be soon completed. The foundation consists of a base of about fifteen inches of concrete, upon which rests a three-foot timber platform, composed of twelve-inch hard pine timbers securely tree-nailed to each other, which in turn supports about five feet of concrete. It is confidently expected that the new foundation will remedy our long existing trouble on account of settlements. Besides the above-mentioned work, one of the boilers has been reset during the past year.

NEW DWELLING.

For several years past, the matter of erecting a dwelling for the Engineer and Fireman has been more or less under discussion by the Water Committee; but no decided action in the premises has been taken until the early part of the past year, when, in accordance with the recommendation of His Honor the Mayor in his inaugural address, the Water Committee requested the City Engineer to prepare plans and specifications for a double-house, to be erected on the side-hill in the rear of the Pumping Station. Plans were accordingly prepared by the Engineer, authority for the work obtained from the City Council, and contracts for the

same were awarded. That for the building was given to Messrs. Higgins & Nickerson of Ward 2, and that for the cellar and grading to Charles H. Hale of Ward 5. The building is a two and one-half story double-house, divided so as to give eight rooms to the Engineer and six to the Fireman. The rooms are of comfortable size and conveniently arranged, and the house is located on a site commanding a good view of the Pumping Station and Filter Basin.

The contracts for building, grading, etc., have been carried out under the direction of the City Engineer; and the Engineer and the Fireman will take possession January 1.

FILTER BASIN.

The work at the Filter Basin during the past year has been much the same as in previous years. It has been kept free from vegetable growth, and the banks and retaining walls have been kept in good condition. In July, the Committee asked for and obtained from the City Council an appropriation for driving pipes in the Basin as a means of increasing our supply of water. With this appropriation, the City Engineer has obtained seventeen wells that are now flowing; and he estimates the total yield per twenty-four hours from these and pipes previously driven to be from 500,000 gallons to 750,000. Notwithstanding this yield, however, it will probably be necessary to take measures, during the coming season, for the further increase of the water supply.

RESERVOIR.

The Reservoir has needed no attention during the past year beyond the work of keeping the grounds in good condition. With the exception of a small leak reported by the Superintendent as existing around the overflow pipe, which can be repaired at small expense, the Reservoir is in a very satisfactory condition.

Respectfully submitted,

ALBERT S. GLOVER, Water Registrar.











AUDITOR'S ANNUAL REPORT

OF THE

FINANCES

OF THE

CITY OF NEWTON,

FOR THE YEAR ENDING DECEMBER 31, 1883;

TOGETHER WITH

THE REPORT OF THE OVERSEERS OF THE POOR, THE AGENT OF THE BOARD OF HEALTH, AND THE CITY MARSHAL.

No. CCV.



BOSTON:

FRANKLIN PRESS: RAND, AVERY, & COMPANY. 1884.



HENLUM CONTECTION)

CONTENTS.

										PAGE.
City Government, 1883										vii-xii
City Government, 1884									. :	xiii–xxi
Auditor's Report										1
City Treasurer's Account										3-6
Report of Committee on F	inan	ce								7
Liabilities										8
Assets and Recapitulation										9-11
Receipts										11-13
Expenses				•						13-15
Table showing Appropriati	ons,	Tran	sfers,	May	or's	Warr	ants,	etc.		16-17
Table showing Permanent	Debt									18
Statement of Kenrick Fund	l									19
Taxes and Taxable Valuati	on									19-20
Ledger Balances										20-21
Report of Commissioners o	f Sin	king	Fund	ls						21-23
Detailed Statement of Rece	ipts	and E	Exper	ditui	res					23-122
	-									
		REC	EIPT	s.						
Almshouse										23
Armory										23
Books, Stationery, and Prin	iting									24
City Hall										24
Collector's Fees										24
Corporation Tax										24
Dog Tax										24
Druggists' License-Fees										24
Farlow Park										25
Fire Department										25
Funded Debt - Public Parl	k Lo	an								25
Funded Debt - Water Bon	ds									25
Highway Department .										26
Hutchin, William F										26
Indigent Soldiers and Sailo	rs									26
Interest on City Loan .										26
Interest on Deposits .										26
Interest on Public Park Lo	an									27

										PAGE.
Interest on Taxes	. •	•								27
Interest on Water Bond		•	•		•	•				27
Kenrick Fund Income.										27
Miscellaneous	•			•						2 8
National Bank Tax .		•		•	•					28
Newton Free Library .							•			2 8
Police Department .	•									28
Poor out of Almshouse										29
Poor out of Almshouse Premium on Public Par							•			30
Premium on Water Bon	ds .				•					30
Public Property										30
Read Fund		•								30
Record and Other Fees										30
Record and Other Fees Ships engaged in Foreig	n Trad	le.								31
Sidewalks and Curbing										31
Sinking Fund Commissi	ioners	•								31
State Aid										31
Taxes, 1879-83										31-32
Temporary Loans .		•			•					33
George A. Torrey .										33
Tuition for Non-Resider	nt Pupi	ils								33
United States Street Lis	ghting	Com	pany							34
Water-Meters and Servi Water-Rates by Schedul	ce-Pipe	es.								34
Water-Rates by Schedul	le .									34
Water-Rates by Meter .		•		•	•			•	•	34
	E	XPE	NDIT	'URI	ES.					
Almshouse					•	•				34-37
Armory										37
Auburndale Schoolhous	se .									37–38
Books, Stationery, and	Printir	ıg.								38-39
Board of Health										39-40
Burial-Grounds										40
Conveyance of Pupils .										40
Curbing										41
					•					41-42
City Hall City Engineer's Departs	ment									42-43
Drains and Culverts .										43-44
Evening Schools										45
Farlow Park										45
Farlow Park, Special .										46-47
Farlow Park, Special . Fire Department										47-59
Funded Debt										59
Funded Debt Gravel Land										60
Heating, Ventilating, e		Scho	olhou							60-61
Highways General Rer										62_69

								PAGE.
Highways, Widening and Improvement	ents	•	•	•	•	•	٠	69-70
Hutchin, William F	•	•	•	•	•	•	•	70
Improvement on Public Squares.	•	•	•	•	•	•	٠	70-71
Interest on City Loans	•	•	•	•	•	•	٠	72
Interest on Water Bonds	•	•	•	•	•	•	•	72
Indigent Soldiers and Sailors .	•	•	•	•	•	•	•	72–73
Industrial and Mechanical Drawing			•		•	•	•	73
Kenrick Fund Income								. 28
Land Damages				•				73-74
Memorial Day	•							74
Miscellaneous Expenses								74-80
Newton Free Library								81-83
Nonantum Schoolhouse								83-84
Police Department								84-87
Poor out of Almshouse								87-92
Public Property								92-96
Read Fund								96
Removal of Ashes								96-97
Salaries								97-98
Schools, General Appropriation for							Ĭ	98-104
Schools, Incidentals							i	104-109
Sidewalks	•			•	•		•	109
Sinking Fund, City Debt	•	•	•	•	•	•	•	110
Sinking Fund, Water Bonds .	•	•	•	•	•	•	٠	110
Street Light Department	•	•	•	•	•	•	•	110-111
a	•	•	•	•	•	•		111-112
		•	•	•	•	•	•	111-112
Taxes, State, County, National Bank		•	•	•	•	•	•	
Temporary Loans		•	•	•	•	•	٠	112-113
United States Street Lighting Compa	ıny	•	•	•	•	•	•	113
Use of Hydrants	•	•	•	•	•	•	•	113
water Maintenance	•	•	•	•	•	•		113-116
Water-Meters and Service-Pipe .	•	•	•	•	•	•		116-117
Water Construction	•	•	•	•	•	•	٠	118-122
			-					
Schedule of City Property, Real and	Perso	onal						122-128
Table showing the Number of Polls,								129
Table showing Amount paid for Supp								
from 1851 to 1883 inclusive .	•							130
Salaries of City Officers, 1884 .	•	•	•	•	•	•	•	130-133
Births, Marriages, and Deaths, Fees	Dog	rg .	·	•	•	•		134-141
Report of Overseers of the Poor	, 100	,,,	•	•	•			143-150
Report of Health Officer		•	•	•	•	•		151-155
Percent of City Marshal	•	•	•	•	•	•	•	157 167



OFFICERS

OF THE

NEWTON CITY GOVERNMENT.

1883.

MAYOR.

WILLIAM P. ELLISON.

BOARD OF ALDERMEN.

J. WESLEY KIMBALL, President.

Ward One.

EDWARD W. CATE.1

Ward Three.

ELIJAH W. WOOD.

Ward Five.

JAMES R. DEANE.

Ward Two.

J. WESLEY KIMBALL.

Ward Four.

DAVID T. BUNKER.

Ward Six.

DWIGHT CHESTER.

Ward Seven.

JOHN Q. HENRY.

COMMON COUNCIL.

EDWIN W. GAY, President.

Ward One.

IRA S. FRANKLIN.

WILLARD G. BRACKETT.

Ward Three.

FRED. W. FREEMAN.

JAMES H. NICKERSON.

Ward Two.

AUSTIN R. MITCHELL. PRESCOTT C. BRIDGHAM.

Ward Four.

LUTHER E. LELAND.2 HENRY A. THORNDIKE.

Resigned Jan. 1. Henry E. Cobb elected to fill vacancy Jan. 15.
 Resigned Sept. 4. William P. Holden elected to fill vacancy Oct. 1.

Ward Five.
WILLIAM PIERCE.
EBEN THOMPSON.

Ward Six.
WILLIAM B. YOUNG.
EDWARD H. MASON.

EDWIN W. GAY.

Ward Seven.
SAMUEL L. POWERS.

Clerk of Common Council.
ALBERT S. GLOVER.

City Treasurer, and Collector of Taxes.

JOHN A. KENRICK.

Deputy Collector.

FRANCIS M. TROWBRIDGE.1

MOSES CLARK, Jun.2

City Clerk, and Clerk of Board of Aldermen.
EDWIN O. CHILDS.3 ISAAC F. KINGSBURY.4

City Auditor, and Clerk of Committees.

BENJAMIN F. OTIS.

City Solicitor.
WINFIELD S. SLOCUM.

City Engineer.
ALBERT F. NOYES.

Superintendent of Streets.
WILLIAM E. FULLER.

Water Registrar.
ALBERT S. GLOVER.

Superintendent of Water-Works. H. N. HYDE, Jun.

Health Officer.
NATHAN MOSMAN.

City Messenger.

JOSEPH D. WELLINGTON.

¹ Deceased Jan. 28.

³ Resigned March 19.

² Appointed to fill vacancy Feb. 5.

⁴ Elected to fill vacancy March 26.

ASSESSORS' DEPARTMENT.

Assessors.

ISAAC HAGAR, Chairman .		Term	expires	January, 1886.
HOWARD B. COFFIN, Secretary		66	66	" 1884.
SAMUEL M. JACKSON		66	"	" 1885.

Assistant Assessors (Elected Annually).

Ward 1 DEXTER WHIPPLE.	Ward 4 RUFUS MOULTON.
Ward 2 JOSEPH WALKER.	Ward 5.—S. N. WOODWARD.
Ward 3. — OSCAR F. LUCAS.	Ward 6. — GEORGE WARREN.
Ward 7 JOHN	WARNER.

SCHOOL COMMITTEE.

Hon. WILLIAM P. ELLISON, Mayor, Chairman ex officio. EDWIN W. GAY, President Common Council ex officio. Rev. AMOS E. LAWRENCE, Chairman. ISAAC HAGAR, Secretary. JOHN E. KIMBALL, Superintendent.

Elective Members.			Present	Term	of C	ffice.
Ward 1 EDMUND W. CONVERS	E	•	. Expi	res Jan	uary,	1886.
CHARLES H. STONE			. 61	•	66	1886.
Ward 2 JOHN W. DICKINSON			. "		"	1886.
A. AMELIA SMEAD				•	"	1886.
Ward 3 JULIUS L. CLARKE		•		6	66	1885.
ELIJAH W. WOOD 1			. "	6	"	1885.
Ward 4 WILLIAM S. SMITH		•			"	1885.
ISAAC HAGAR					"	1885.
Ward 5 JOHN A. GOULD .			. "		"	1884.
EDWIN P. SEAVER.			. "		66	1884.
Ward 6 EMILY W. HYDE .			. "		"	1884.
AMOS E. LAWRENCE					66	1884.
Ward 7 GEORGE W. SHINN			. "		66	1884.
LINCOLN R. STONE					"	1885.

WATER BOARD.

From the Board of Aldermen.

J. WESLEY KIMBALL.

From the Common Council.

FRED. W. FREEMAN.

¹ Resigned Jan. 1. Fisher Ames elected to fill vacancy Jan. 3.

At Large.

EDWARD W. CATE.

FRANCIS J. PARKER.

FRANCIS A. DEWSON.

EDWARD W. CATE, President. ALBERT S. GLOVER, Clerk.

POOR DEPARTMENT.

Board of Overseers.

THE MAYOR, ex officio, Chairman.

Ward 1.—CHARLES F. RAND.
Ward 2.—OLIVER B. LEAVITT.

Ward 5. — HOSEA C. HOYT.

Ward 3. — OSCAR F. LUCAS.

Ward 6. — GEORGE WARREN.

Ward 7. - JOHN WARNER.

NATHAN MOSMAN, Clerk of Board. NATHAN MOSMAN, City Almoner. NATHANIEL D. MOODY, Warden of Almshouse.

FIRE DEPARTMENT.

HENRY L. BIXBY, Chief of Department. WILLIAM BEMIS, Assistant Chief of Department.

TRUSTEES OF PUBLIC LIBRARY.

From the Board of Aldermen.

DAVID T. BUNKER.

From the Common Council.
WILLIAM PIERCE.

At Large.

JOHN S. FARLOW. WILLIAM CLAFLIN.

B. K. PEIRCE.
A. LAWRENCE EDMANDS.

JULIUS L. CLARKE.

JOHN S. FARLOW, President. B. K. PEIRCE, Superintendent. HANNAH P. JAMES, Librarian.

POLICE DEPARTMENT.

REVILO L. HINDS, 1 City Marshal. CHARLES F. RICHARDSON, Sergeant of Police.

¹ Removed July 19. Daniel M. Hammond appointed to fill vacancy Sept. 3.

Police Officers.

JAMES D. HENTHORN.
WILLIAM C. EMERSON.
NOAH F. BOSWORTH.
GEORGE E. F. BAKER.
CHARLES O. DAVIS.
EDSON C. HOLMES.
JOHN RYAN.

CHARLES P. HUESTIS.
ROBERT S. HARRISON.
CHARLES E. DAVIS.
FRANK B. FLETCHER.
JOHN PURCILL.
RUFUS H. MOULTON.
W. G. BOSWORTH.

WARD OFFICERS.

Ward One.

HERBERT F. BENT, Warden. FRANCIS M. TROWBRIDGE, Clerk.

DEXTER WHIPPLE, EDW. L. LEMON, CHARLES F. RAND,

Ward Two.

GEORGE E. BRIDGES, Warden. WILLARD S. HIGGINS, Clerk.

HENRY P. DEARBORN,
LAWRENCE H. CRANITCH,
JAMES D. BILLINGS,

Inspectors.

Ward Three.

FRANK H. PECK, Warden. RICHARD A. CARROLL, Clerk.

SAMUEL N. WATERS,
HARVEY C. WOOD,
RICHARD A. CARROLL,

Inspectors.

Ward Four.

BERNARD EARLY, Warden. HENRY H. MATHER, Clerk.

GEORGE W. CHAMBERLAIN,
G. LYMAN SNOW,
WILLIAM P. HOLDEN,

Inspectors.

Ward Five.

ALBERT J. GROVER, Warden. LEWIS P. EVERETT, Clerk.

EDW. M. BILLINGS,
JOHN W. HOWE,
WILLIAM T. LOGAN,

¹ Deceased Jan. 28.

Ward Six.

SAMUEL M. JACKSON, Warden. LEWIS E. COFFIN, Clerk.
STILLMAN C. SPAULDING,
GEORGE R. HOVEY,
ROBERT R. BISHOP, Jun.

Ward Seven.

CHARLES W. BASSETT, Warden. CHARLES W. BASSETT, Clerk.

EDW. B. HITCHCOCK,
FRED. A. WETHERBEE,
ABRAHAM BYFIELD.

OFFICERS

OF THE

NEWTON CITY GOVERNMENT.

1884.

MAYOR.

J. WESLEY KIMBALL.

BOARD OF ALDERMEN.

DWIGHT CHESTER, President.

Ward One.

HENRY E. COBB.

Ward Three.
JOHN W. CARTER.

Ward Five.

GEORGE PETTEE.

Ward Two.

BENJAMIN S. GRANT.

Ward Four.

NOAH W. FARLEY.

Ward Six.

DWIGHT CHESTER.

Ward Seven.
JOHN Q. HENRY.

COMMON COUNCIL.

SAMUEL L. POWERS, President.

Ward One.

WILLARD G. BRACKETT.
JAMES EGGLESTON.

Ward Three.

JAMES H. NICKERSON. GEORGE D. DIX.

Ward Two.

PRESCOTT C. BRIDGHAM. ALBERT F. UPTON.

Ward Four.

WINTHROP B. ATHERTON. GEORGE M. FISKE.

Ward Five.
EBEN THOMPSON.
JOHN F. HECKMAN.

Ward Six.
EDWARD H. MASON.
FRANK EDMANDS.

Ward Seven.

SAMUEL L. POWERS.

JAMES W. FRENCH.

Clerk of Common Council.

ALBERT S. GLOVER.

City Treasurer, and Collector of Taxes.

JOHN A. KENRICK.

Deputy Collector.

MOSES CLARK, Jun.

City Clerk, and Clerk of Board of Aldermen.
ISAAC F. KINGSBURY.

City Auditor, and Clerk of Committees.

BENJAMIN F. OTIS.

City Solicitor.
WINFIELD S. SLOCUM.

City Engineer.

ALBERT F. NOYES.

Superintendent of Streets.
WILLIAM E. FULLER.

Water Registrar.
ALBERT S. GLOVER.

Superintendent of Water-Works.
H. N. HYDE, Jun.

Agent of the Board of Health.

NATHAN MOSMAN.

City Messenger.

JOSEPH D. WELLINGTON.

ASSESSORS' DEPARTMENT.

Assessors.

ISAAC HAGAR, Chairman .		Term	expires	January	, 1886.
HOWARD B. COFFIN, Secretary		66	6.6	66	1887.
SAMUEL M. JACKSON		66	66	"	1885.

Assistant Assessors (Elected Annually).

Ward 1 DEXTER WHIPPLE.	Ward 4.—RUFUS MOULTON.
Ward 2 ELIHU SMEAD.	Ward 5.—SN WOODWARD.
Ward 3. — OSCAR F. LUCAS.	Ward 6. — GEORGE WARREN.
Ward 7 JOHN	WARNER.

SCHOOL COMMITTEE.

Hon. J. WESLEY KIMBALL, Mayor, Chairman ex officio. SAMUEL L. POWERS, President Common Council ex officio. JULIUS L. CLARKE, Chairman. ISAAC HAGAR, Secretary. JOHN E. KIMBALL, Superintendent.

Elective Members.			Present	Term	of C	ffice.
Ward 1 EDMUND W. CONVERS	E		. Expir	es Janı	ıary,	1886.
CHARLES H. STONE			. "	6	6	1886.
Ward 2 JOHN W. DICKINSON			. "	6	6	1886.
A. AMELIA SMEAD			. "	6	4	1886.
Ward 3 JULIUS L. CLARKE			. "	6	6	1885.
FISHER AMES			. "	6	6	1885.
Ward 4 WILLIAM S. SMITH			. "	6	6	1885.
ISAAC HAGAR			. "	6	6	1885.
Ward 5 JOHN A. GOULD .			. "	6	4	1887.
ALBERT B. PUTNEY			. "	6	6	1887.
Ward 6 — CHARLES C. BARTON			. "	6	6	1887.
WILLIAM D. PHILBRIC	K		. "	6	6	1887.
Ward 7 GEORGE W. SHINN			. "	6	6	1887.
LINCOLN R. STONE			. "	6	6	1885.

District Committees.

Newton Centre District.

CHARLES C. BARTON				Newton Centre.
WILLIAM D. PHILBRI	ICK			Newton Centre.
JOHN A. GOULD				Newton Upper Falls.
ALBERT B. PUTNEY .				Newton Highlands.
SAMUEL L. POWERS				Newton.

	U	pper	Fal	ls D	istri	ct.					
JOHN A. GOULD .								Newton Upper Falls.			
ALBERT B. PUTNEY								Newton Highlands.			
ISAAC HAGAR .								Newton Lower Falls.			
WILLIAM D. PHILBI	RIC	K						Newton Centre.			
CHARLES C. BARTON	Ţ							Newton Centre.			
		1									
Lower Falls District.											
WILLIAM S. SMITH								Auburndale.			
FISHER AMES								West Newton.			
ISAAC HAGAR								Newton Lower Falls.			
	w	est 1	New	ton :	Distr	ict.					
JULIUS L. CLARKE								West Newton.			
J. W. DICKINSON						·		Newtonville.			
FISHER AMES .				·			i	West Newton.			
WILLIAM S. SMITH							•	Auburndale.			
A. AMELIA SMEAD						·	·	Newtonville.			
			Ť					2.01100			
	N	ewt	onvi]	lle I	istri	ct.					
J. W. DICKINSON								Newtonville.			
A. AMELIA SMEAD			·					Newtonville.			
LINCOLN R. STONE								Newton.			
EDMUND W. CONVER	RSE							Newton.			
CHARLES H. STONE								Newton.			
		Nev	wton	Dis	trict						
LINCOLN R. STONE								Newton.			
CHARLES H. STONE								Newton.			
GEORGE W. SHINN	•							Newton.			
	- ~										

Standing Committees of the Board.

High School.

JULIUS L. CLARKE. FISHER AMES. J. W. DICKINSON. WILLIAM S. SMITH.

EDMUND W. CONVERSE.

SAMUEL L. POWERS. .

GEORGE W. SHINN. EDMUND W. CONVERSE. CHARLES C. BARTON. THE MAYOR, ex officio.

Newton.

Newton.

Evening Schools.

GEORGE W. SHINN. LINCOLN R. STONE. WILLIAM D. PHILBRICK.

Music.

LINCOLN R. STONE. A. AMELIA SMEAD.
ALBERT B. PUTNEY.

A. AMELIA SMEAD. CHARLES H. STONE.

ALBERT B. PUTNEY.

Industrial Drawing.

JOHN A. GOULD. CHARLES H. STONE. SAMUEL L. POWERS.

A. AMELIA SMEAD. GEORGE W. SHINN. WILLIAM D. PHILBRICK.

JULIUS L. CLARKE. Text-Books. WILLIAM S. SMITH. CHARLES C. BARTON.

Rules and Regulations.

GEORGE W. SHINN.

WILLIAM S. SMITH.

Salaries.

EDMUND W. CONVERSE. SAMUEL L. POWERS. FISHER AMES.

Schoolhouses.

ISAAC HAGAR. CHARLES H. STONE. LINCOLN R. STONE.

Accounts and Printing.

ISAAC HAGAR. FISHER AMES. JULIUS L. CLARKE.

WATER BOARD.

From the Board of Aldermen.

NOAH W. FARLEY.

From the Common Council.

ALBERT F. UPTON.

EDWARD W. CATE.

At Large.
FRANCIS J. PARKER.
FRANCIS A. DEWSON.

EDWARD W. CATE, President. ALBERT S. GLOVER, Clerk.

¹ Resigned May 31. Charles Fred Crehore appointed June 16.

POOR DEPARTMENT.

Board of Overseers.

THE MAYOR, ex officio, Chairman.

Ward 1. — DEXTER WHIPPLE. Ward 4. — NATHAN MOSMAN. Ward 2. — OLIVER B. LEAVITT. Ward 5. — HOSEA C. HOYT.

Ward 3. - OSCAR F. LUCAS. Ward 6. - GEORGE WARREN.

Ward 7. - JOHN WARNER.

NATHAN MOSMAN, Clerk of Board. NATHAN MOSMAN, City Almoner. NATHANIEL D. MOODY, Warden of Almshouse. MRS. ELIZA A. MOODY, Matron.

FIRE DEPARTMENT.

HENRY L. BIXBY, Chief of Department. WILLIAM BEMIS, Assistant Chief of Department.

TRUSTEES OF PUBLIC LIBRARY.

From the Board of Aldermen.
NOAH W. FARLEY.

From the Common Council. EBEN THOMPSON.

At Large.

JOHN S. FARLOW. WILLIAM CLAFLIN. B. K. PEIRCE.
A. LAWRENCE EDMANDS.

JULIUS L. CLARKE.

JOHN S. FARLOW, President. B. K. PEIRCE, Superintendent. HANNAH P. JAMES, Librarian.

POLICE DEPARTMENT.

DANIEL M. HAMMOND, City Marshal. CHARLES F. RICHARDSON, Sergeant of Police.

Police Officers.

JAMES D. HENTHORN.
WILLIAM C. EMERSON.
NOAH F. BOSWORTH.
GEORGE E. F. BAKER.
CHARLES O. DAVIS.
EDSON C. HOLMES.
JOHN RYAN.

CHARLES P. HUESTIS.
ROBERT S. HARRISON.
CHARLES E. DAVIS.
FRANK B. FLETCHER.
JOHN PURCILL.
RUFUS H. MOULTON.
W. G. BOSWORTH.

WARD OFFICERS.

Ward One.

HERBERT F. BENT, Warden. CHARLES F. RAND, Clerk.

DEXTER WHIPPLE, EDW. L. LEMON, GEORGE LANE, 2D,

Ward Two.

GEORGE E. BRIDGES, Warden. WILLARD S. HIGGINS, Clerk.

HENRY P. DEARBORN,
LAWRENCE H. CRANITCH,
JAMES D. BILLINGS,

Ward Three.

GEORGE H. INGRAHAM, Warden. RICHARD A. CARROLL, Clerk.
FRANK E. HUNTER,
HARVEY C. WOOD,
CHARLES F. TUTTLE,

Ward Four.

G. LYMAN SNOW, Warden. HENRY H. MATHER, Clerk.

GEORGE W. CHAMBERLAIN,
CHARLES F. FORD,
EVERETT E. MOODY,

Inspectors.

Ward Five.

ALBERT J. GROVER, Warden. LEWIS P. EVERETT, Clerk.

EDW. M. BILLINGS,
WILLIAM T. LOGAN,
PHILIP T. BAGLEY,

Inspectors.

Ward Six.

SAMUEL M. JACKSON, Warden. LEWIS E. COFFIN, Clerk.

STILLMAN C. SPAULDING,
GEORGE R. HOVEY,
ROBERT R. BISHOP, Jun.,

Inspectors.

Ward Seven.

J. EDWIN WARNER, Warden. CHARLES W. BASSETT, Clerk.

EDW. B. HITCHCOCK,
FRED. A. WETHERBEE,
ABRAHAM BYFIELD,

Inspectors.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.'

Committee on Finance and Salaries.

Aldermen. JOHN Q. HENRY. BENJAMIN S. GRANT. Councilmen.

PRESIDENT SAMUEL L. POWERS. WILLARD G. BRACKETT. EDWARD H. MASON.

Committee on Accounts.

Aldermen. NOAH W. FARLEY. JOHN W. CARTER. Councilmen. PRESCOTT C. BRIDGHAM. JAMES EGGLESTON.

JOHN F. HECKMAN.

Committee on Public Property and Burial-Grounds.

Aldermen. GEORGE PETTEE. BENJAMIN S. GRANT. Councilmen.

EDWARD H. MASON. WINTHROP B. ATHERTON. JAMES EGGLESTON.

Committee on State Aid, Soldiers' Relief, and Military Affairs.

Aldermen.

JOHN W. CARTER. HENRY E. COBB. Councilmen. EBEN THOMPSON. ALBERT F. UPTON. GEORGE M. FISKE.

Committee on Fuel and Street Lights.

Aldermen.

BENJAMIN S. GRANT. HENRY E. COBB. Councilmen. EBEN THOMPSON. JAMES W. FRENCH. FRANK EDMANDS.

Committee on Fire Department.

Aldermen.

HENRY E. COBB. GEORGE PETTEE. Councilmen.

ALBERT F. UPTON.

WINTHROP B. ATHERTON. FRANK EDMANDS.

Committees on Highways, Streets and Ways, Sidewalks, Drains and Sewers.

Aldermen. DWIGHT CHESTER. JOHN Q. HENRY. Councilmen.

PRESCOTT C. BRIDGHAM. JAMES H. NICKERSON. GEORGE M. FISKE.









Committee on Printing.

Alderman.

JOHN W. CARTER.

Councilmen.

EBEN THOMPSON.

WINTHROP B. ATHERTON.

Committee on Ordinances.

Aldermen.

DWIGHT CHESTER. Councilmen. BENJAMIN S. GRANT. GEORGE M. FISKE.

WILLARD G. BRACKETT. JOHN F. HECKMAN.

Committee on Claims.

JOHN Q. HENRY.

Aldermen.

Councilmen.

PRESIDENT SAMUEL L. POWERS.

DWIGHT CHESTER.

GEORGE D. DIX.

JOHN F. HECKMAN. Committee on Almshouse and Poor.

Alderman.

GEORGE PETTEE. Councilmen.

PRESCOTT C. BRIDGHAM.

GEORGE D. DIX.

Committee on Assessors' Department.

Alderman.

NOAH W. FARLEY.

Councilmen.

JAMES W. FRENCH.

GEORGE D. DIX.

Highway Surveyors.

DWIGHT CHESTER.

Aldermen.

JOHN Q. HENRY.

JAMES H. NICKERSON.

Councilmen. PRESCOTT C. BRIDGHAM.

GEORGE M. FISKE.

Committee on Parks.

BENJAMIN S. GRANT.

Aldermen.

NOAH W. FARLEY.

GEORGE PETTEE.

Councilmen.

JAMES H. NICKERSON. EDWARD II. MASON.

WILLARD G. BRACKETT. JAMES W. FRENCH.

STANDING COMMITTEE OF THE BOARD OF ALDERMEN.

Committee on Enrolled Ordinances and Resolutions.

DWIGHT CHESTER.

Aldermen. BENJAMIN S. GRANT.

STANDING COMMITTEE OF THE MAYOR AND ALDERMEN.

Committee on Police.

THE MAYOR. Aldermen.

HENRY E. COBB.

JOHN W. CARTER.

Committee on Licenses, Weights, and Measures.

Aldermen.

JOHN Q. HENRY.

NOAH W. FARLEY.

Committee on Elections.

Aldermen.

HENRY E. COBB.

GEORGE PETTEE.

President of the Board of Health. JOHN Q. HENRY.

STANDING COMMITTEE OF THE BOARD OF HEALTH.

Aldermen.

HENRY E. COBB.

JOHN W. CARTER.

NOAH W. FARLEY.

STANDING COMMITTEE OF THE COMMON COUNCIL.

Committee on Enrolled Ordinances and Resolutions.

PRESCOTT C. BRIDGHAM. JAMES EGGLESTON.

JOHN F. HECKMAN.

REGISTRARS OF VOTERS.

ISAAC F. KINGSBURY, City Clerk ex officio. GEORGE E. BRIDGES, 1 year. RICHARD T. SULLIVAN, 2 years. GEORGE H. BOURNE, 3 years.

AUDITOR'S REPORT.

CITY OF NEWTON.

AUDITOR'S DEPARTMENT, CITY HALL, April 28, 1884.

To the Honorable City Council.

Gentlemen, — In conformity with the requirements of Section 10 of Ordinance No. 4, relating to Finance, the undersigned presents herewith his Annual Report of the receipts and expenditures of the City of Newton for the financial year commencing Jan. 1, and terminating Dec. 31, 1883, with a detailed account of each department, a statement of the liabilities and assets, the rates of interest, and times the notes and bonds are payable, also a statement of the sinking funds, a schedule of the real and personal property, with other information relating to the financial matters of the city.

Respectfully submitted.

BENJAMIN F. OTIS, Auditor.

CITY OF NEWTON, Dec. 31, 1883.

To the Honorable Mayor and City Council.

Gentlemen, — In accordance with Section 11 of Ordinance No. 4, I have the honor to lay before you the statement of the receipts and expenditures of the Treasury Department for the year ending Dec. 31, 1883.

Very respectfully yours,

JOHN A. KENRICK, Treasurer and Collector.

CITY TREASURER'S ACCOUNT.

City of Newton in Account with John A. Kenrick, Treasurer and Collector.

Dr.

Almshouse, expenses and repair	S .			\$4,827	68
Armory, rent and expenses .	•			1,089	51
Auburndale schoolhouse .				16,013	36
Books, stationery, and printing	•			2,486	00
Board of Health	•		•	2,125	59
Burial-grounds	•			395	00
Commonwealth of Massachusett				1,080	13
Commonwealth of Massachuset	ts, state	tax	•	24,135	00
County of Middlesex, county ta	x .			15,150	75
Conveyance of pupils	•		•	540	00
Curbing	•	•		1,500	00
City Hall, expenses	•	•	•	1,621	73
City engineer's department .	•		•	6,416	07
Drains and culverts			•	11,148	92
Evening schools	•	•		516	69
Farlow Park				25,000	00
Farlow Park, special				5,322	41
Fire department				23,606	47
Funded debt, 6½ per cent notes		•		40,000	00
Funded debt, 6 per cent notes	•			30,000	00
				#010 0F2	
Amount carried forward .	•	•	•	\$212,975	31

Amount brought forward		\$212,975	31
General expenses for schools		84,890	96
Gravel land		7,661	05
Heating, ventilating, repairs, etc., on	school-		
houses		16,375	82
Highways, general repairs		60,529	
Highways, widening and improvements		7,392	78
Hutchin, W. F		75	00
Improvement on public squares .		971	24
Interest on city loans		25,277	61
Interest on water bonds		50,900	00
Indigent soldiers and sailors		930	00
Industrial and mechanical drawing		167	75
Kenrick Fund		179	80
Land damages		554	42
Memorial Day		300	00
Miscellaneous expenses		21,095	05
Newton free library		9,020	60
Nonantum schoolhouse		11,107	63
Overlay, 1881, 1882, 1883		5,652	27
Police department		17,514	82
Poor out of almshouse		8,156	80
Public property		15,700	56
Read Fund		40,000	00
Removal of ashes		2,015	34
Salaries		1,2,155	39
School incidentals		9,129	41
Sidewalks		6,000	00
Sinking fund on city debt		20,800	00
Sinking fund on water debt		16,000	00
Street-light department		19,730	65
State aid		875	50
Temporary loans		315,000	00
United States Street Lighting Company		500	00
Use of hydrants		7,520	00
$A mount \ carried \ forward \ \ .$		\$1,007,155	34

Amount brought forwa	ard		•	•		\$1,007,155	34
Water construction .		•				43,630	
Water maintenance .		•	•			16,179	
Water maintenance, mete	rs, a	ind s	service	-pipes	3,	5,735	
Balance in the treasury D	ec.	31, 1	1883			58,435	98
(D) ()						#1 101 100	
Total		•	•	•	•	\$1,131,136	55
	(CR.					
	Ì		4000			***	0 ~
Balance in the treasury D	ec.	31, 1	1882	•	٠	\$38,630	
Almshouse		•	•	•	٠	1,340	
Armory		•	•	•	۰	400	
Books, stationery, and pri	ntin	g	•	•			24
Corporation tax		•	•	•	•	38,500	80
City Hall, expenses .		•	•			676	00
Collector's fees		•				388	77
Dog tax		•	•			1,075	26
Druggists' license-fees .		•	•			15	00
Farlow Park						3,150	50
Fire department		•				97	51
Foreign ships						2,091	11
Funded debt, 4 per cent v	vate	r bo	nds			50,000	00
Funded debt, 4 per cent p	ubli	ie pa	rk loa	n		25,000	00
Highways						5,715	59
Hutchin, W. F			•	•		234	60
Interest on city loan .						11	69
Interest on bank deposits			•			722	16
Interest on public park los	an					166	66
Interest on taxes						1,897	42
Interest on water bonds.						460	
Indigent soldiers and saile	ors					418	
Kenrick Fund						66	50
Miscellaneous				•			95
National bank tax						12,604	
•							
Amount carried forwa	rd	•			•	\$183,731	20

Amount brought forward				. \$	\$183,731	20
Newton free catalogue accou	ınt		٠		29	50
Police department					945	52
Poor out of almshouse .	•				1,468	96
Premium on public park bon	$_{ m ds}$				952	50
Premium on water bonds.					1,005	00
Public property		•		-	342	75
Read Fund					40,000	00
Record and other fees .	•	•			388	75
Sidewalks and curbing .					447	44
Sinking fund commissioners,	city	debt	٠		70,000	00
State aid			٠		930	00
Taxes of 1879		•			2	00
Taxes of 1880	•				2	00
Taxes of 1881					291	42
Taxes of 1882	•				57,653	83
Taxes of 1883					351,578	82
Temporary loans		•			360,000	00
Torrey, George A					50	00
Tuition non-resident pupils	•				523	00
United States Street Lighting	g Co	mpany			500	00
Water construction	•				5,238	41
Water maintenance, meters,	and	services			5,727	50
Water-rates					30,913	92
Water-rates by meter .		•	•		18,414	03
m				-	101 100	~ ~
Total	•	•		\$1,	,131,136	55

JOHN A. KENRICK, Treasurer and Collector, City of Newton.

Newton, Dec. 31, 1883.

CITY OF NEWTON, Dec. 31, 1883.

\$891 52

THE Joint Standing Committee on Finance beg leave to report, that, in pursuance of Section 13 of Ordinance No. 4, they have examined the books and accounts of the Treasurer and Collector for the financial year ending Dec. 31, 1883, and find them correct in all respects, and all payments properly vouched.

Cash on hand Dec. 31, 1882		
Payments of the year	1,131,136 1,072,700	
On hand at close of business, Dec. 31, 1883 .	\$58,435	98

This balance has been verified by examination of the bank balance to the credit of the city, and cash and cash items in the office.

They further report that there remains due and uncollected the following taxes and assessments:—

Taxes of 1879

										т	
Taxes of	188	80								905	94
Taxes of	188	81	•			•				1,228	00
Taxes of	188	32	•					•	•	1,985	37
Taxes of	188	33						•	•	76,725	57
Sidewalk	and	d cu	rbing	g asser	ssme	nts				2 32	$7\dot{6}$
Betterme	nts	on	draii	ns in	War	ds 1,	2, es	timate	ed,	2,400	00
									-		
Tota	.1	•	•	•		•	•	•		\$84,369	16

Respectfully submitted.

J. Q. HENRY,)
J. WESLEY KIMBALL,	Committee
EDWIN W. GAY,	} on
W. G. BRACKETT,	Finance.
EDWARD H. MASON,	j

LIABILITIES OF THE CITY OF NEWTON TO DEC. 31, 1883, INCLUSIVE.

Water loan	\$950,000 00 25,250 00	
Accided interest on same		\$975,250 00
Town and city notes	\$253,000 00	
Accrued interest on same	3,649 22	256,649 22
Municipal bonds	\$34,000 00	,
Accrued interest on same	850 00	34,850 00
Public park bonds	\$25,000 00	
Accrued interest on same	250 00	
m ı	Ф00 000 00	25,250 00
Temporary loans	\$90,000 00 374 16	
Accrued interest on same	5/4 10	90,374 16
Uninvested portion of principal		,
of Kenrick Fund	\$1,740 00	
Accrued interest on same	52 20	
Currence account amount in		1,792 20
Suspense account, amount in treasury subject to call by		
sundry parties	\$661 68	
George A. Torrey, amount de-	#002 00	
posited to guarantee contract		
for lighting streets	50 00	
Mayor's warrants unpaid, appro-		
priations, etc	34,997 39	
Mayor's warrants unpaid, water	616 27	
construction		36,325 34
Amount carried forward .		\$1,420,490 92

DETAILED STATEMENT OF ASSETS.

Balance of taxes, 1879, \$891 52 Balance of taxes, 1880, 905 94 Balance of taxes, 1881, 1,228 00 Balance of taxes, 1882, 1,985 37 Balance of taxes, 1883, 76,725 57	\$81,736	40
Due from Commonwealth of Massachusetts as follows:— On account of aid to soldiers and sailors under chapters	,,,,,,	10
301 and 252, Acts of 1879.	1,500	00
Balance of corporation tax .	3,559	84
Armory rent for 1883	400	00
Due from county treasurer: —		
Dog tax for 1883	1,480	00
Due from miscellaneous sources;		
viz.,—		
From sundry persons for bet-		
terments on drains in Wards		
1 and 2	2,400	00
From sundry persons for side-		
walk and curbing assess-		
ments	232	76
	58,435	98

Sinking Funds.

	•
Water debt sinking fund:—	
City of Newton wa-	
ter bonds, 5% . \$62,000	00
City of Newton wa-	
ter bonds, 4% . 62,000	00
Cash on deposit on	
interest 242	35

124,242 35

Amounts brought forw City debt sinking fund:—		\$	273,987	33	\$1,420,490	92
City of Newton water bonds, 5% . \$8. City of Newton wa-	,000	00				
ter bonds, 4% . 13, Cash on deposit on	,000	00				
interest —	348	68	21,348	68	295,336	01
					\$1,125,154	91
_						
	Vater		TION.			
337 4 3			\$950,000	00)	
Accrued interest on same			25,250			
Mayor's warrants unpaid i	for co	on-	,			
struction	•	•	616	27	- \$975,866	27
Sinking fund	•	•			124,242	
Net water liability	•	•		•	\$851,623	92
City Debt, Ex	clusi	ve o	f Water I	ebt		
Town and city notes .			\$253,000	00		
Accrued interest on same			3,649	22	2	
					\$256,649	22
Municipal bonds .	•	•	\$34,000			
Accrued interest on same	•		850	00		
					34,850	00
Public park bonds .	•	٠	\$25,000			
Accrued interest on same	•	•	250		25,250	00
Amount carried forwar	rd				\$316,749	22

Amount brought forwar	d				\$316,749	22
Temporary loan .			\$90,000	00		
Accrued interest on same			374			
					90,37	16
Uninvested portion of pri	inci	pal		•	,	
of Kenrick fund .		•	\$1,740	00		
Accrued interest on same	•		52	20		
					1,792	20
Suspense account, amou	nt	in			,	
treasury subject to c						
sundry parties .			\$661	68		
George A. Torrey, amoun						
posited to guarantee co						
for lighting streets			50	00		
Mayor's warrants unpaid,						
priations, etc.			34,997	39		
primoreis, etc.	•	·			35,709	07
					\$444,624	65
Cash on hand			\$58,435	98	# ,	
Sinking fund			21,348			
Balance taxes uncollected		Ĭ	81,736			
Other assets uncollected	•	•	9,572			
Contra assets anconcette	•	•			171,093	66
Net city debt liability		•			\$273,530	99

RECEIPTS.

The receipts for the year ending Dec. 31, 1883, are shown in the aggregates, as credited in the following accounts:—

Number	of
account.	

	Almshouse								
2.	Armory .	•	•	•	•	•	٠	400	00
	Amount carried forward							\$1,1740	00

	Amount brought forward .				\$1,740	00
3.	Books, stationery, and printing	ng			63	24
4.	City Hall	•	•		676	00
5.	Collector's fees				388	77
6.	Corporation tax	•			38,500	80
7.	Dog tax	•			1,075	26
8.	Druggists' license-fees .	•			15	00
9.	Farlow Park				3,150	50
10.	Fire department	•		٠	97	
11.	Funded debt, public park loa	n	•	•	25,000	00
12.	Funded debt, water bonds		•		50,000	00
13.	Highway department .			•	5,715	59
14.	W. F. Hutchin	•			234	60
15.	Indigent soldiers and sailors				418	00
16.	Interest on city loans .		•		11	69
17.	Interest on deposits .				722	16
18.	Interest on public park loan		•		166	66
19.	Interest on taxes		•		1,897	42
20.	Interest on water bonds.		•		460	00
21.	Kenrick Fund income, etc.	•	•		118	70
22.	Miscellaneous		•		5	95
23.	National bank tax				12,604	09
24.	Newton free library, catalogue	e a	ccount		29	50
25.	Police department				945	52
26.	Poor out of almshouse .				1,468	96
27.	Premium on public park bond	ds	•		952	50
28.	Premium on water bonds		•		1,005	00
29.	Public property				342	75
30.	Read Fund				40,000	00
31.	Record and other fees .	•			388	75
32.	Ships engaged in foreign trad	e	•		2,091	11
33.	Sidewalks and curbing .		•		447	44
34.	Sinking fund commissioners				70,000	00
35.	State aid		•		930	00
36.	Taxes, 1879				2	00
	Amount carried forward .				\$261,665	47

	Amount brought forward		•			\$261,665	47
37.	Taxes, 1880					2	00
38.	Taxes, 1881					291	42
39.	Taxes, 1882			•		57,653	83
40.	Taxes, 1883			•		351,578	82
41.	Temporary loans .					360,000	00
42.	George A. Torrey .					50	00
43.	Tuition for non-resident	pu	pils		•	523	00
44.	United States Street Li	ght	ing Co	mpa	ny,	500	00
45.	Water construction	•	•	•		5,238	41
46.	Water-meters and service	ce-p	oipe	•		5,727	50
47.	Water-rates, by schedul	e ra	ates	•		30,913	92
48.	Water-rates, by meter	•	•	•	•	18,414	03
	Total receipts .	•				\$1,092,558	40

EXPENSES.

The claims for the year ending Dec. 31, 1883, as approved and drawn for in the auditor's office, are shown in the aggregates, as charged to the following accounts:—

U	, 0	0				60	
Numbe accou							
1.	Almshouse expenses and	repa	irs	•		\$4,753	84
2.	Armory rent and expens	ses	. "			1,036	41
3.	Auburndale schoolhouse	e, spe	ecial	appro)-		
	priation					18,513	36
4.	Books, stationery, and pa	rintin	g			2,699	85
5.	Board of Health .					2,216	34
6.	Burial-grounds .		•			395	00
7.	Conveyance of pupils					600	00
8.	Curbing					1,500	00
9.	City Hall, expenses					1,665	50
10.	City engineer's departme	ent				6,269	80
11.	Drains and culverts					11,929	66
					-		

\$51,579 76

Amount carried forward .

	Amount brought forward					\$51,579	76
12.	Evening schools .					523	
13.	Farlow Park					25,000	00
14.	Farlow Park, special ap-	propi	iatio			5,322	41
15.	Fire department .					23,937	79
16.	Funded debt					70,000	00
17.	Gravel land					9,173	85
18.	Heating, ventilating,	etc.,	on	schoo	1-		
	houses			•		17,464	37
19.	Highways, general repair	rs	•			63,003	47
20.	· Highways, widening and	d imp	rove	ments		9,794	89
21.	William F. Hutchin			•		75	00
22.	Improvement on public	squai	res		•	1,272	48
23.	Interest on city loans			•		25,329	81
24.	Interest on water bonds			•		50,900	00
25	Indigent soldiers and said	ilors				938	00
26.	Industrial and mechani	cal d	rawin	ıg		167	75
27.	Kenrick Fund income	•	•			179	80
28.	Land damages .	•	•	•	•	554	42
29.	Memorial Day .				•	300	00
30.	Miscellaneous expenses	•			•	19,973	44
31.	Newton free library				•	8,499	99
32.	Nonantum schoolhouse	, spe	ecial	appro)-		
	priation			•		11,959	45
33.	Police department .			•	•	17,199	57
34.	Poor out of almshouse	•	•	•	•	8,016	14
35.	Public property .	•=	•=	•		15,293	
36.				•	•	40,000	00
37.	Removal of ashes .			•	•	2,:65	60
38.	Salaries		•	•	•	13,908	17
39.	Schools, general appropr			•	•	84,856	40
40.	School incidentals .	•	•	•		9,794	73
41.				•	•	6,300	65
42.	· ·		•	•	•	20,800	
43.	Sinking fund on water d	ebt	•			16,000	00
	Amount carried forward					\$630,384	56

	Amount brought forward					\$630,384	56
44.	Street light department					19,996	94
45.	State aid					876	00
46.	Taxes, 1883, state.			•		24,135	00
47.	Taxes, 1883, county	•	•			15,150	75
48.	Taxes, 1883, national ba	ınk		•	•	1,080	13
49.	Temporary loans .	•				315,000	00
50.	United States Street Lig		g Cor	npany	у,	500	00
51.	Use of hydrants .	•	•		•	7,520	00
52.	Water maintenance	•	•			16,266	01
53.	Water-meters and service	ce-pip	е		•	5,498	65
54.	Water construction	•	•	•	•	37,040	69
	Total expenses				- 9	81.073 448	73

SHOWING APPROPRIATIONS, TRANSFERS, MAYOR'S WARRANTS, TREASURER'S PAY-MENTS, DIFFERENCES, EXCESS AND DEFICIENCY ACCOUNT.

APPROPRIA- TIONS FOR 1883.
\$4,300 00
2,700 00
2,300 00
6,000 00
14,000 00
00 000
24,097 51
86,575 26
10,000 00
60,145 79
10,000 00
2,500 00
25,500 00
51,400 00
1,000 000
00 000
1,400 00
18 000 00
70,000 00

500 43	734 40 591 83 205 27	1 (1	3 06 424 00 -	253 99 1 35 35 63	\$7,094 02 3,611 30	1 1	\$3,482 72
516 14		39 35	1 1 1	1 1 1	\$3,611 30	1 1	1 1
520 61 315 25 140 66		300 65		86 40 236 95 1,088 55	\$12,688 12 \$3,611 3,050 18 -	1 1	\$9,637 94
9,020 60 17,514 82 8,156 80	12,100 50 2,015 34 12,155 39 9,129 41	6,000 00 20,800 00 16,000 00		16,179 61 5,735 60 16,375 82	\$499,854 20 - 25,359 45	\$474,494 75 34,997 39	\$509,492 14
	13,235 25 2,265 60 13,908 17 9,794 73	6,300 65 20,800 00 16,000 00	19,996 94 876 00 7,520 00	16,200 01 5,498 65 17,464 37	1 1	ı	\$509,492 14
8,500 00 17,700 00 7,500 00	12,000 00 3,000 00 14,500 00 10,000 00	6,261 30 20,800 00 16,000 00	20,000 00 1,300 00 7,520 00	10,500 00 5,500 00 17,500 00	1,225 00	1	\$514,199 86 -
111	1 1 1 1	1] t	1 1 1	1 []	1 1	ı	1 1
8,500 00 17,700 00 7,500 00		6,261 30 20,800 00 16,000 00	20,000 00 1,:00 00 7,520 00	5,500 00 17,500 00	1 1	ı	\$514,199 86 _
Newton Free Library	Removal of ashes Salaries School incidentals Sidewalks Sidewalks	iation y debt iter bonds, spe		Additional appropriation 3,000.00 { Water-inters and service-pipe	*Transferred to special appropriation for } Farlow Park Less mayor's warrants of 1882, paid by { treasurer in 1883	Amount of mayor's warrants for 1883, { paid by treasurer in 1884	Transferred into treasury

PERMANENT DEBT.-DESCRIPTIVE LIST.

INTEREST, WHEN PAYABLE.	April and October January and July January and July January and July January and July April and October
AMOUNT,	\$20,000 00 20,000 00 20,000 00 20,000 00 30,000 00 46,000 00 31,000 00 31,000 00 250,000 00 250,000 00 255,000 00
PAYABLE.	Oct. 3, 1884 Oct. 3, 1885 Oct. 3, 1885 Oct. 3, 1887 April 21, 1888 April 22, 1890 April 22, 1890 April 22, 1890 April 21, 1895 July 1, 1995 July 1, 1995 Oct. 1, 1996
DATE OF LOAN, ETC.	Oct. 3, 1867 Oct. 3, 1867 Oct. 3, 1867 Oct. 3, 1867 April 21, 1873 April 22, 1870 April 22, 1870 April 22, 1870 April 24, 1875 July 1, 1883
RATE.	6 per cent 7 per cent 7 per cent 7 per cent 7 per cent 8 per cent 8 per cent 9 per cent
	City Institution for Savings, Lowell """"""""""""""""""""""""""""""""

STATEMENT OF THE KENRICK FUND.

The following is a statement of this fund and its income, Jan. 1, 1884:—

Amount invested Cash uninvested	•	•			•	•	\$2,260 00 1,740 00
Total fund	٠	٠		•	•	•	\$4,000 00
Balance income on Income received in			1 , 18	83,	\$113 118		
							\$232 00
Amount distribute	d .	•	•	•	•		179 80
Balance .		•	•	•	•	•	\$52 20

The distribution of the income of this fund has been made, in accordance with the terms of the donor, to persons entitled to its benefits.

TAXES AND TAXABLE VALUATION.

The following will show the valuation of the property of the city on which taxes were assessed for the year 1883, with the amount of taxes and rate of taxation:—

Value of real estate	•	•		•	\$19,794,805	00
Value of personal estate				•	7,329,283	00
					\$27,124,088	00
Taxable value of corpora	te sto	ocks		•	2,570,150	00
Taxable value of bank st	ocks	•	•	•	850,000	00
					\$30,544,238	00

City appropriations for current Deduct estimated receipts for				. \$488,120 . 103,700	
				\$384,420	00
State tax				. 24,135	
	•	•		. 15,150	
County tax	•	• •			
Overlay and supplementary as	ssessi	ments.		. 3,502	
Total assessments . Rate of taxation, \$15.40 on	@1 0			. \$427,207	79
nate of taxation, \$15.40 on	Φ1,0	00.			
LEDGER :	DAT	A NICES			
Betterments	DALL	\$8,206	05		
Bills receivable	•	250			
Bills receivable, Kenrick Fund	1.	2,260			
Cash	•	58,435			
Overlay, 1883		1,039			
Public property owned by the		-,			
city		831,118	10		
Schoolhouse at Auburndale		16,013			
Schoolhouse at Nonantum		11,107			
Sidewalk and curbing asses	SS-	,			
ments		232	76		
Taxes, 1879		891	52		
Taxes, 1880		905	94		
Taxes, 1881		1,228	00		
Taxes, 1882		1,985	37		
Taxes, 1883		76,725	57		
Water construction, cost	of				
works		942,375	66		
			—	\$1,952,775	25
Ottor of North				Ø552.000	07
City of Newton	•			. \$553,028	
Funded debt city bonds, 5 per				. 34,000	
Funded debt city notes, 6½ pe	r cen			. 46,000	00
Amount carried forward				. \$633,028	97

Amount brought forward		\$633,028	97
Funded debt city notes, 6 per cent		207,000	00
Funded debt public park loan, 4 per cent		25,000	00
Funded debt water scrip, 6 per cent .		600,000	00
Funded debt water scrip, 5 per cent .		250,000	00
Funded debt water scrip, 4 per cent .		100,000	00
William F. Hutchin		159	60
Kenrick Fund		4,000	00
Overlay, 1879		2,339	61
Overlay, 1880		3,801	44
Overlay, 1881		1,053	74
Overlay, 1882		682	82
Suspense account	•	661	68
George A. Torrey		50	00
Mayor's warrants, unpaid bills		34,997	39
Temporary loans		90,000	

REPORT OF THE SINKING FUND COMMISSIONERS.

NEWTON, Jan. 1, 1884.

\$1,952,775 25

In accordance with the requirements of the City Charter and Ordinances, the Sinking Fund Commissioners beg leave to report the condition of the funds and securities in their charge on the thirty-first day of December, 1883.

City Debt Sinking Fund.

On hand in cash and securities at par, Jan.	1,		
1883		\$69,280	54
Received interest on bonds and deposits .		1,268	14
Received appropriations by the city for 1883		20,800	00
Amount carried forward		\$91,348	68

Amount brought forward Paid city treasurer, to pay note due Boston Five Cents Savings Bank \$40,0 Paid treas. to pay note due Com-		. 00	\$91,348	68
monwealth of Massachusetts 30,0	00	00		
			70,000	00
Invested or follows with			\$21,348	68
Invested as follows; viz.:—				
City of Newton 5 per cent water bonds.		•	\$8,000	
City of Newton 4 per cent water bonds.	•	•	13,000	
Cash on deposit	•	•	348	68
•			\$21,348	68
Water Debt Sinking Fur	nđ.			
		1.		
On hand in cash and securities at par, J	an.		\$103,415	38
On hand in cash and securities at par, J 1883	an.	•	\$103,415	38
On hand in cash and securities at par, J 1883	an.	de-		
On hand in cash and securities at par, J 1883	an. id o	de-	4,826	97
On hand in cash and securities at par, J 1883	an. id o	de-	4,826	97
On hand in cash and securities at par, J 1883	an. nd o	de-	4,826 16,000 \$124,242	97 00 — 35
On hand in cash and securities at par, J 1883	an.	de-	4,826 16,000 \$124,242 \$62,000	97 00 35
On hand in cash and securities at par, J 1883	an.	de-	\$124,242 \$62,000 62,000	97 00 35 00 00
On hand in cash and securities at par, J 1883	an.	de-	4,826 16,000 \$124,242 \$62,000	97 00 35 00 00

During the year we have bought for the water debt sinking fund \$40,000 in four per cent water bonds, as follows: \$15,000 from the city of Newton, and \$25,000 from the city debt sinking fund; and Dec. 22, 1883, we bought for the

city debt sinking fund \$10,000 four per cent water bonds from the city of Newton.

You will also notice that we have paid over to the city treasurer \$70,000 to enable the city to retire two notes of \$40,000 and \$30,000 respectively, all due April 1, 1883.

Your Commissioners also reported in October last, that there should be appropriated and paid into the sinking fund for the year 1884, as follows; viz.:—

For the city debt sinking fund . . . \$20,800 00 For the water debt sinking fund . . . 16,000 00

Which is the same as recommended for 1883.

Respectfully submitted.

GEO. S. BULLENS, Commissioners
ALDEN SPEARE,
GEORGE C. LORD, Sinking fund.

\$400 00

STATEMENT IN DETAIL OF RECEIPTS.

Almshouse.

2211101104001
Received from N. D. Moody, warden,
for sale of hay, wood, vegetables,
etc
Received from C. F. Rand, for old
furnace 40 00
Total, as per item No. 1 of receipts \$1,340 00
Armory.
Received from Commonwealth of Massachusetts.

for rent of armory, as per item No. 2 of re-

ceipts

Books, Stationery, and Printing.		
Received from J. C. Clark Printing		
Company, refund of bill \$61 74		
Received from W. P. Ellison, for copy		
of Newton Directory 1 50		
Total, as per item No. 3 of receipts	\$63	24
City Hall.		
Received for use of hall, etc \$176 00 Received from Amos Stone, treasurer of county of Middlesex, for rent		
of police court room 500 00		
Total, as per item No. 4 of receipts	\$676	00
Collector's Fees.		
Received from John A. Kenrick, treasurer, and collector of taxes, for summonses, advertising tax sales, etc., as per item No. 5 of		
receipts	\$388	77
Corporation Tax.		
Received from Commonwealth of Massachusetts,		
as per item No. 6 of receipts	\$38,500	80
Dog Tax.		
Received from Amos Stone, treasurer of county		
of Middlesex, for dog tax, as per item No. 7		
of receipts	\$1,075	26
Druggists' License-Fees.		
Received from sundry persons, for liquor-licenses		
of the sixth class, as per item No. 8 of re-		
ceipts	\$15	00

Farlow Park. Received from sale of house on French estate . \$1,550 00 Received from sale of barn on French estate 63 00 Received from sale of stone, fence, trees, etc., on French estate 240 00 Received from sale of house on Ellis . 1,200 00 Received from sale of stone, furnace, etc., on Ellis estate . . 97 50 Total, as per item No. 9 of receipts . . . \$3,150 50 Fire Department. Received from Henry L. Bixby, for sale of old material, as per item No. 10 of receipts \$97 51 Funded Debt. - Public Park Loan. Received from J. F. Amsden & Co., for twentyfive bonds, 4 per cent, \$1,000 each, as per item No. 11 of receipts \$25,000 00 Funded Debt. - Water Bonds. Received from the commissioners of sinking funds of city of Newton, for twenty-five water bonds, 4 per cent, \$1,000 each, \$25,000 00 Received from Blake Brothers & Co., for twenty-five water bonds, 4 per cent, \$1,000 each, 25,000 00

Total, as per item No. 12 of receipts

\$50,000 00

- Highway Department.		
Received from Boston and Albany		
Railroad Corporation, for material		
and labor at grade-crossings . \$5,407 09		
Received from almshouse department,		
for manure		
Received from W. E. Fuller, super-		
intendent of streets, for sale of		
old plank 18 50 Received from W. E. Fuller, for sale		
of old stone watering-trough . 15 00		
Received from W. E. Fuller, for pas-		
turage on Towle place 5 00		
turinge on rowie place		
Total, as per item No. 13 of receipts .	\$5,715	59
Received from W. F. Hutchin, in trust, as per		
item No. 14 of receipts	\$234	60
100m 2.00 22 02 2000.pvs	# - 0^	
Indigent Soldiers and Sailors.		
Received from Commonwealth of Massachusetts,		
on account of aid to sundry persons, under		
chapter 252, Acts of 1879, as per item		
No. 15 of receipts		
No. 15 of feceipts	\$418	00
Interest on City Loans.	\$418	00
Interest on City Loans.	\$418	00
	\$418	00
Interest on City Loans. Received from Blake Brothers & Co.,	\$418	00
Interest on City Loans. Received from Blake Brothers & Co., interest on loans \$7 00	\$418	00
Interest on City Loans. Received from Blake Brothers & Co., interest on loans \$7 00 Received from Commonwealth of	\$418 \$11	
Interest on City Loans. Received from Blake Brothers & Co., interest on loans \$7 00 Received from Commonwealth of Massachusetts, interest on loans, 4 69		
Interest on City Loans. Received from Blake Brothers & Co., interest on loans \$7 00 Received from Commonwealth of Massachusetts, interest on loans, 4 69 Total, as per item No. 16 of receipts .		
Interest on City Loans. Received from Blake Brothers & Co., interest on loans \$7 00 Received from Commonwealth of Massachusetts, interest on loans, 4 69 Total, as per item No. 16 of receipts . Interest on Deposits.		69

- '	
Interest on Public Park Loan. Received from J. F. Amsden & Co., accrued interest on \$25,000 4 per cent public park bonds, as per item No. 18 of receipts .	\$166 66
Interest on Taxes.	
Received from sundry persons, interest on taxes, as per item No. 19 of receipts .	\$1,897 42
Interest on Water Bonds.	
Received from commissioners of the sinking funds of the city of Newton, accrued interest on \$25,000 4 per cent water bonds. \$235 00 Received from Blake Brothers & Co., accrued interest on \$25,000 4 per cent water bonds	\$46 0 00
Kenrick Fund Income, etc.	
Balance uninvested Jan. 1, 1883, in	
city treasury \$1,740 00 Balance of income on hand Jan. 1,	
1883	\$1,853 30
Income from investments \$66 50 Received from city of Newton, interest on uninvested portion of fund 52 20	#1, 000 00
Total, as per item No. 21 of receipts .	118 70

\$1,972 00

Amount carried forward

$A mount\ brought\ forward . \qquad .$	•		\$1,972	00
Expended.				
Distributed per order Board of Al-				
dermen, as per item No. 27 of				
expenses	\$179			
Balance income on hand	52	20	232	00
Balance uninvested Jan. 1, 1884	•	•	\$1,740	00
Miscellaneous.				
Received from North American Insur-				
ance Company, return premium		- ^		
on policy on French estate .	\$1	50		
Received from Suburban Telephone Company, refund of bill	. 4	45		
Company, forund of one	_			
Total, as per item No. 22 of recei	pts	•	\$5	95
National Bank Ta	ıx.			
Received from Commonwealth of				
Massachusetts National Bank,				
tax, as per item No. 23 of receipts	•	•	\$12,604	09
Newton Free Library.—Catalo	ogue A	ccou	ınt.	
Received from B. K. Peirce, secre-				
tary, for sale of catalogues, as				~ ~
per item No. 24 of receipts .	•	•	\$29	50
Police Departmen	ıt.			
Received from Edward W. Cate,				
clerk of police-court, fees, fees for				
witnesses, fines, and costs	\$780			
Received from sale of horse	165	20		
Total, as per item No. 25 of recei	pts		\$945	52
*	-			

Poor out of Almshouse.

Received from Commonwealth of		
Massachusetts, for partial support, etc., of sundry persons .	\$382	24
Received from city of Boston, for		
partial support of sundry persons,	149	25
Received from city of Gloucester, for partial support of sundry persons,	47	00
Received from city of Malden, for	11	
partial support of sundry persons,	6	00
Received from city of Lowell, for par-		0.0
tial support of sundry persons. Received from town of Wellesley, for	4	00
partial support of sundry persons,	231	75
Received from town of Waltham, for	201	•0
partial support of sundry persons,	86	26
Received from town of Concord, for	0.4	~
partial support of sundry persons,	81	51
Received from town of Blackstone, for partial support of sundry persons,	68	00
Received from town of Grafton, for		
partial support of sundry persons,	21	00
Received from town of Natick, for		
partial support of sundry persons,	18	10
Received from town of Watertown, for partial support of sundry per-		
sons	12	00
Received from town of Ipswich, for		
partial support of sundry persons,	11	57
Received for partial support of J. C.	1.01	00
Gipson	191	08
Wentworth	138	60
Received for partial support of W. S.		
Scamman	20	00

Premium on Public Park Bonds.		
Received from J. F. Amsden & Co. 3.81 per		
cent premium on \$25,000 public park		
bonds, as per item No. 27 of receipts .	\$952	50
Premium on Water Bonds.		
Received from Blake Brothers & Co. 4.02 per		
cent premium on \$25,000 water bonds, as		
per item No. 28 of receipts	\$1,005	00
Public Property.		
Received for rent of Prospect School-		
house Hall \$146 00		
Received for rent of Mason School-		
house Hall 100 00		
Received for rent of Oak-Hill School-		
house Hall 18 75		
Received for rent of house, Auburn-		
dale Avenue 72 00		
Received from E. L. & F. S. Rollins,		
refund on bill 5 10		
Received from R. H. White & Co.,		
discount on bill 90		
•		
Total, as per item No. 29 of receipts .	\$342	75
Read Fund.		
Received from William P. Ellison, executor,		
in accordance with the provisions in the		
will of the late Charles A. Read, as per		
item No. 30 of receipts	\$40,000	00
Record and Other Fees.		
Received from city clerk, for recording mort-		
gages, marriage-certificates, assignments,		
etc., as per item No. 31 of receipts	\$388	75
•		

China Thomas din Reveien Music		
Ships Engaged in Foreign Trade.		
Received from Commonwealth of Massachusetts,		
on account of ships engaged in foreign trade,	02.001	11
as per item No. 32 of receipts	\$2,091	11
Sidewalks and Curbing.		
Received from sundry parties, on account of side-		
walks and curbing, as per item No. 33 of re-		
ceipts	\$447	44
Sinking Fund Commissioners.		
Received from the commissioners of the sinking		
funds of the city of Newton, for the payment		
of two notes of the town of Newton, as per		
item No. 34 of receipt	\$70,000	00
	, 0,000	00
State Aid.		
Received from Commonwealth of Massachusetts,		
on account of sundry persons, as per item		
No. 35 of receipts	\$930	00
Taxes, 1879.		
Balance uncollected Dec. 31, 1882 . \$893 52		
Received since Dec. 31, 1882, as per		
item No. 36 of receipts 2 00		
Balance uncollected Dec. 31, 1883	\$891	52
Taxes, 1880.		
Balance uncollected Dec. 31, 1882 . \$907 94		
Received since Dec. 31, 1882, as per		
item No. 37 of receipts 2 00		
Balance uncollected Dec. 31, 1883	\$905	94

Taxes, 1881. Balance uncollected Dec. 31, 1882, \$1,519 42
Received from sundry persons since Dec. 31, 1882, as per item No.
38 of receipts
Balance uncollected Dec. 31, 1883 \$1,228 00
Taxes, 1882.
Balance uncollected Dec. 31, 1882, \$59,639 20 Received from sundry persons since Dec. 31, 1882, as per item No.
39 of receipts 57,653 83
Balance uncollected Dec. 31, 1883 \$1,985 37
Taxes, 1883.
Amount assessed for
State tax \$24,135 00
Amount assessed for County tax . 15,150 75
Amount assessed for
City tax 384,420 00
Supplementary assessments 174 20
Overlay 3,327 84
Tax on non-resident
bank shares . 1,096 60
Received from sundry persons to Dec. 31, 1883, as per item No. 40 of receipts 351,578 82
Balance uncollected Dec. 31, 1883 . \$76,725 57

Temporary Loans

Borrowed during the year, by authority of the City Council (in anticipation of	
taxes), for the payment of current expenses: —	

taxes), for the payment of current	a capenoco.			
Jan. 19. Commonwealth of Massachusetts, at 3\frac{3}{4} per				
cent per annum.	\$25,000	00		
Feb. 16. Commonwealth of Massachusetts, at $3\frac{7}{8}$ per	,			
cent per annum.	30,000	00		
April 4. Commonwealth of Massachusetts, at 4½ per	·			
cent per annum.	25,000	00		
May 1. Suffolk Savings Bank, at				
4 per cent per annum,	40,000	00		
June 27. Blake Brothers & Co., at				
4 per cent per annum,	30,000	00		
July 6. Blake Brothers & Co., at				
4 per cent per annum,	70,000	00		
July 28. Ballou & Co., at 4 per				
cent per annum.	50,000	00		
Nov. 9. Suffolk Savings Bank, at				
37 per cent per annum,	30,000	00		
Nov. 28. Suffolk Savings Bank, at				
3\frac{3}{4} per cent per annum,	60,000	00		
Total, as per item No. 41 of rec	eipts	•	\$360,000	00
Received from George A. Torrey, gu				
on account of contract, as per	item No.	42	of	
receipts	•		. \$50	00

Tuition for Non-resident Pupils.

Received from sundry non-residents, for tuition, as per item No. 43 of receipts . . . \$523 00

United States Street Lighting Company.
Sept. 27, transferred from guaranty deposit made by the United States Street Lighting
Company to the city treasury, for non-fulfil-
ment of contract, as per item No. 44 of
receipts
Water-Meters and Service-Pipes.
Received from sundry persons, for service-pipe,
meters, etc., as per item No. 46 of receipts . \$5,727 50
Water-Rates.
Received from sundry persons, for use of water
in 1883, by schedule rates, as per item No.
47 of receipts
Water-Rates, by Meters.
Received from sundry persons, for use of water
in 1883, by meters, as per item No. 48 of
in 1883, by meters, as per item No. 48 of receipts
·
·
receipts
·
statement in detail of expenses, with appro-
statement in detail of expenses, with appropriations, transfers, and balances.
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order of City Council 500 00
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order of City Council 500 00 ———————————————————————————————
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order of City Council 500 00 — \$4,300 00 N. D. Moody, services as warden . \$600 00
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order of City Council 500 00 ———————————————————————————————
statement in detail of expenses, with appropriations, transfers, and balances. Almshouse Expenses and Repairs. Appropriation \$3,800 00 Additional appropriation, by order of City Council 500 00 —

Amounts brought forward .	\$883	52	\$4,300 00
John T. Moody, services at alms-	140	00	
house	140	00	
house	91	20	
Julia A. Breck, services at alms-			
house	30	00	
Hattie Flagg, services at alms-		~ .	
house	23	50	
Maggie Cameron, services at almshouse	57	11	
Lizzie Crompton, services at alms-	91	11	
house	27	00	
Mary Hoy, services at almshouse.	19	20	
Christine Cameron, services at			
almshouse	28	82	
Katie Holmes, services at alms-			
house	18	82	
Annie Bettie, services at alms-	10	00	
house Olive Ford, services at almshouse .		00	
Ann Haskins, services at alms-	10	00	
house	14	80	
Highway department, for manure.	276		
Albert Brackett, for coal	317	77	
J. E. Tolman, exchange of horse.	176	30	
H. H. Hunt, material and labor .	183	75	
American Fire-hose Manufacturing			
Company, for hose	143		
H. W. Spurr & Co., groceries .	440		
H. A. Sherman, groceries		26	
B. B. Vassall, groceries		99	
W. P. Holden, groceries		29	
Edward Fisher, provisions	116		
C. W. Randall, provisions	79	74	
. Amounts carried forward .	\$3,201	75	\$4,300 00

Amounts brought forward .	\$3,201	75	\$4,300	00
George Bleiler, provisions		45		
Frank Linnell, fish and oysters .	85	16		
E. Smead & Co., grain, etc	135	14		
W. H. Mague, house-offal	171	00		
L. N. Hatch, material and labor .	271	86		
O. F. Lucas, material and labor .	35	83		
F. W. Foster, material and labor.	20	00		
Milo Lucas, material and labor .	20	00		
J. Pulcifer, material and labor .	14	70		
R. O. Evans, material and labor .	8	53		
C. S. Phillips, material and labor.	4	30		
E. E. Moody, supplies	240	63		
A. Pillsbury, jun., supplies	30	41		
Tucker Manuf. Co., supplies .	22	40		
Whittemore Brothers, supplies .	13	60		
E. C. Holmes & Co., supplies .	9	50		
Leonard Hefflon, supplies	5	81		
John McDonald, agent, black-				
smithing	24	68		
C. A. Cole, blacksmithing	19	20		
Scott & Maher, blacksmithing .	2	50		
Dr. James Utley, medical attend-				
ance	70	00		
Dr. F. E. Crockett, medical attend-				
ance	2	00		
George H. Gregg, funeral ex-				
penses	18	50		
Smith & Anthony Stove Company,				
range	74	00		
Ralph Severance, cow	50	00		
Heirs of Ann Colburn, wood .	38	50		
M. E. Church, rent of pew	30	00		
A. James, crackers	29	94		
Francis Buttrick, lumber	25	01		
*		_		
Amounts carried forward .	\$4,723	40	\$4,300	00

Amounts brought forward . \$4,723 40	\$4,300 00
John Wales & Co., fence 15 44	
E. L. Crandall, ice 15 00	
Total, as per item No. 1 of expenses .	. 4,753 84
Balance overdrawn, transferred into treasury	. \$453 84
Armory Rent and Expenses.	
Appropriation	. \$1,200 00
O. W. Turner, rent of armory . \$600 00	
B. S. Wetherbee, janitor 250 00	
N. & W. Gaslight Company, gas . 127 00	
George F. Kimball, agent, rent of	
land for rifle range 25 00	
Albert Brackett, coal 18 41	
Water department, use of water . 16 00	
Total, as per item No. 2 of expenses .	. 1,036 41
Balance unexpended, transferred into treasury	. \$163 59
Auburndale Schoolhouse.	·
Special appropriation	\$35,000 00
Lydia F. Woodbridge, for land on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Hancock Street \$3,668 30	
William H. Stewart, amount paid	
on account of contract . 14,000 00	
J. Foster Ober, services as archi-	
tect, 800 00	
Water department, use of water . 20 19	
George H. Pratt, for advertising . 10 50	
The "Newton Graphic," advertis-	
* '	
ing	
Amounts carried forward . \$18,504 61	\$35,000 00

Amounts brought forward .	\$18,504	61	\$35,000	00
R. M. Pulsifer & Co., advertising.	5	25		
Journal Newspaper Company, ad-				
vertising	3	50		
6				
Total, as per item No. 3 of ex-				
penses	\$18,513	36		
Books, Stationery, ar	nd Printin	g.	#0 =00	0.0
Appropriation	•	•	\$2,700	00
Rand, Avery, & Co., printing, etc.	\$406	52		
The "Newton Graphic," printing				
Auditor's Report, etc	380	74		
George H. Pratt, printing and ad-				
vertising	325	59		
Transcript Publishing Company,				
advertising	137	18		
J. C. Clark Printing Company,				
printing, etc	167	48		
George H. Ellis, printing, etc.		67		
Fanning Printing Company, print-		•		
ing, etc	54	25		
P. T. Bartlett, printing, etc		75		
Pulsifer, Jordan, & Wilson, print-	01	10		
_	กร	00		
ing, etc				
W. S. Varney, printing, etc	23	50		
Rockwell & Churchill, printing,				
etc		00		
J. Q. Bradish, pens		04		
Fred W. Berry, diaries	15	85		
Drew, Allis, & Co., maps of New-				
ton	12	00		
Newton Post-Office, postal-cards				
and stamps	14	58		
"Boston Daily Advertiser," sub-				
scription	12	00		
•				
Amounts carried forward .	\$1,729	15	\$2,700	00









Amounts brought forward .	\$1.729	15	\$2,700	00
R. M. Pulsifer & Co., advertising.		35		
Hooper, Lewis, & Co., check-books,				
etc	300	00		
Charles H. Stacy, stamped enve-				
lopes, stamps, etc	249	92		
Thomas Groom & Co., supplies .	189			
Ward & Gay, supplies	74			
J. L. Fairbanks & Co., supplies .	51			
M. R. Warren, supplies	43			
A. L. Shipman's Sons, supplies	16			
The Hektograph Manufacturing	10	10		
Co., supplies	13	00		
Belknap & Co., supplies		22		
Eben Smith, supplies		80		
		54		
Knight, Adams, & Co., supplies .				
A. W. Mitchell, supplies		75		
U. Holzer	2	50		
Total, as per item No. 4 of expe	enses		. 2,699	85
		•		
Total, as per item No. 4 of expended, transferred into		· ry		85 15
	to treasu	ry		
Balance unexpended, transferred int	to treasu	ry	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	to treasu	ry		 15
Balance unexpended, transferred into Board of Health Appropriation Nathan Mosman, services as health	th.	•	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	to treasu	•	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800		. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800	•	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800	00 1 4	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800	00 1 4	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800 4 1,200	00 14 00	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800 4 1,200	00 1 4	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800 4 1,200	00 14 00	. \$	 15
Balance unexpended, transferred into Board of Health Appropriation	th. \$800 4 1,200	00 14 00	. \$	 15

$Amounts\ brought\ forward$.	\$2,014 14		\$2,300	00
Dr. F. D. Lord, professional ser-				
vices	1 00			
Dr. James Utley, professional ser-				
vices	1 00			
Transcript Publishing Company,				
advertising, etc	65 00)		
The "Newton Graphic," advertis-		,		
ing, etc.	28 00			
George H. Pratt, advertising, etc.,	11 50			
C. S. Phillips, painting building .	50 25			
William Dix, carriage	25 00			
E. O. Childs, making returns .	6 00 13 45			
H. H. Hunt, repairs on building.	$\frac{15}{1} \frac{45}{00}$			
John Rooney, burying dog	1 00			
Total, as per item No. 5 of expe	enses .	•	2,216	34
Balance unexpended, transferred int	o treasury	•	\$83	66
Burial- G rounds	g.			
Appropriation	~·		\$500	00
Newton Cemetery Corporation,	•	·	#300	
material and labor	\$395 00			
Total, as per item No. 6 of expe	enses .	•	395	00
Balance unexpended, transferred int	o treasury	•	\$105	00
Conveyance of Po	apils.			
Appropriation	•		\$650	00
A. M. Fuller	\$540 00			
Henry A. Spear	60 00			
• •				
Total, as per item No. 7 of expe	enses .	•	600	00
Balance unexpended, transferred int	o treasury,		\$50	00

Curbing. . \$1,500 00 Appropriation . . \$865 70 Noah Prescott, curbstone John A. Kenrick, treasurer, paid for labor, highway department 467 60 Boston and Albany Railroad, freight . . . 166 70 Total, as per item No. 8 of expenses. . . . \$1,500 00 City Hall Expenses. . \$1,600 00 Appropriation N. & W. Gaslight Company, gas . \$563 00 Albert Brackett, coal . . 407 27 J. D. Wellington, sundry cash expenses . . . 160 81 Water department, use of water . 77 00 Thomas Canfield, cleaning cesspool 60 00 L. J. Kendall, ice. 30 00 Orville Tyler, thermometers . 28 00 Elliott Pneumatic Door-check Company, door-check . 16 50 William Quinn, manure 10 00 C. H. Jenison, expressage 9 55 Daniel Condrin, wood . 7 00 H. W. Wellington, supplies . 4 25 H. H. Hunt, material and labor 233 55W. H. French & Co., material and labor 28 68 C. S. Phillips, material and labor. 11 55 F. H. Humphrey, material and labor 10 00

\$1,657 16

\$1,600 00

Amounts carried forward

$Amounts\ brought\ forward$.	\$1,657	16	\$1,600	00
William Petigrew, material and la-				
bor	8	34		
Total, as per item No. 9 of exp	enses .		. 1,665	50
Total, as per item ito. o or exp	CIISCS .		. 1,000	
Balance overdrawn, transferred into	o treasu	ry	. \$65	50
City Engineer's Department	artment.			
Appropriation	•		. \$6,000	00
Albert F. Noyes, services as city				
engineer	\$2,000	00		
Harry D. Woods, services as assist-				
ant engineer	865	00		
Fred H. Barnes, services as assist-				
ant engineer	865	00		
William S. French, services as as-				
sistant engineer	650	00		
I. W. Hastings, services as assist-				
ant engineer	415	00		
William P. Morse, services as as-				
sistant engineer	305	00		
Arthur Woodruff, services as as-	40	0.0		
sistant engineer	197	00		
Stephen Child, services as assistant	4.1	0.0		
engineer	41	00		
Incidental repairs, travelling ex-				
penses, etc., of engineer and assistants	252	01		
David Jackson, horse	252			
H. W. Crowell, grain	150			
Albert Brackett, hay	48			
G. D. Dix, hay	17			
J. R. McLaughlin, care of sick	11	JI.		
horse	16	00		
	1			_
Amounts carried forward .	\$6,073	73	\$6,000	00

Amounts brought forward		\$6,073	73	\$6,000	00
S. F. Cate, use of teams .		33	75		
W. H. Mague, use of teams.		15	50		
C. G. Tinkham, use of teams		7	50		
Buff & Berger, supplies .	•	41	25		
Frost & Adams, supplies .	•	29	00		
Sabin & Page, supplies		14	00		
Thomas Hall, supplies		8	50		
Chandler & Farquhar, supplies		6	60		
McClure & Field, supplies .		8	26		
J. Carroll, material and labor		16	41		
A. W. Ward, blacksmithing.		7	90		
C. A. Cole, blacksmithing .		5	00		
C. H. Jenison, expressage .		2	40		
-1		-			
Total, as per item No. 10 o	f ex	penses		6,269	80
Balance overdrawn, transferred	into	treasury	7 .	\$269	80
,		•			
Drains and	Cul	verts.			
	Cul	werts. \$14,000	00		
Appropriation	•		00		
Appropriation Transferred to appropriation	•				
Appropriation	•	\$14,000		\$1 2, 000	00
Appropriation Transferred to appropriation	for	\$14,000		\$12,000	00
Appropriation Transferred to appropriation highway general repairs John A. Kenrick, treasurer, lab	for .	\$14,000		\$12,000	00
Appropriation	for .	\$14,000	00	\$12,000	00
Appropriation Transferred to appropriation highway general repairs John A. Kenrick, treasurer, latmen, and teams, highway partment	for .	\$14,000 2,000	00	\$12,000	00
Appropriation Transferred to appropriation highway general repairs John A. Kenrick, treasurer, lab men, and teams, highway	for .	\$14,000 2,000 ——— \$6,488	00 04 66	\$12,000	00
Appropriation	for	\$14,000 2,000 \$6,488 2,195	00 04 66 44	\$12,000	00
Appropriation Transferred to appropriation highway general repairs John A. Kenrick, treasurer, label men, and teams, highway partment F. E. Hamblin, drain-pipe, etc. M. W. Sands, brick H. W. Clapp & Co., sewer-caps	for	\$14,000 2,000 	00 04 66 44 38	\$12,000	00
Appropriation	for	\$14,000 2,000 	00 04 66 44 38 96	\$12,000	00
Appropriation	for	\$14,000 2,000 \$6,488 2,195 673 424 295 264	00 04 66 44 38 96 50	\$12,000	00
Appropriation	for	\$14,000 2,000 	00 04 66 44 38 96 50 60	\$12,000	00
Appropriation	for	\$14,000 2,000 	00 04 66 44 38 96 50 60	\$12,000	00
Appropriation	for	\$14,000 2,000 	00 04 66 44 38 96 50 60 93	\$12,000	00

Amounts brought forward . \$10,778	95	\$12,000	00
N. Y. and N. E. R.R., freight . 36	00		
Gilkey & Stone, lumber 69	21		
J. G. Gooch, lumber 34	19		
Simpson Brothers, concreting . 83	99		
Higgins & Nickerson, material and			
labor 232	81		
Isaac Smith, material and labor . 162	47		
R. J. Morrisey, material and labor, 66	00		
Stephen Holmes, material and			
labor 42	85		
Allen Jordan, material and labor. 34	81		
Samuel D. Garey, material and			
labor 28	13		
Milo Lucas, material and labor . 26	75		
William Petigrew, material and			
labor	45		
Patrick Grace, stone 68	00		
Murray & Farrell, blacksmithing . 61	20		
Scott & Maher, blacksmithing . 9	77		
James E. Cahill, carting cement . 20	00		
Timothy Stuart, carting cement . 14	63		
Boynton and Fellows, supplies . 68	20		
G. P. Atkins, supplies 15	40		
C. W. Morehouse, supplies 15	10		
McClure & Field, supplies 12	50		
F. W. McAleer, supplies 7	50		
Chandler & Farquhar, supplies . 6	84		
Sundry small bills 7	91		
Total, as per item No. 11 of expenses		11,929	66

Balance unexpended, transferred into treasury. \$70 34

Evening Schools.

	J					
Appropriation			•	•	\$650	00
Levi F. Warren, teacher		•	\$102	00		
Nellie P. Warren, teacher		•	60	00		
Emma B. Wilkins, teacher		•	60	00		
Charlotte M. Wilkins, teach	er	•	60	00		
Nellie B. Rand, teacher		•	58	50		
Langdon F. Ward, teacher	•	•	48	00		
Sarah M. Davis, teacher			31	50		
Mary L. Woodburn, teacher			30	00		
M. Alice Warren, teacher			12	00		
John B. Gifford, teacher			4	00		
John McCamman, janitor		•	30	00		
Knight, Adams, & Co., supp	olies		18	19		
A. G. Whitcomb, supplies			6	70		
H. F. Wellington, materia	al ar	nd				
labor			1	50		
B. C. Kilburn, posting notice	es		1	00		
Total, as per item No.	12 of	expe	enses	•	. 523	39
Balance unexpended, transfe	erred	into	treasu	ry	. \$126	61
Far	low F	ark.				
Expended, by order of the City Constants, on according					of the follow	ving
Estate of the late James	Fren	ch or	n Vern	on		
Street, Ward 7.					\$13,000	00
Estate of the late Lysande	r A.	Ellis	on V	er-		
non Street, Ward 7.					12,000	00
,						
Total, as per item No. 1	l3 of	expe	nses		\$25,000	00

Farlow Park Special A	.ppropriat	ion.		
Appropriated from city treasury amount received for sale of houses, etc., by order of City				
Council	\$3,150	50		
Appropriated from city treasury amount received for premium on \$25,000 park bonds, by				
order of City Council	952	50		
Transferred from appropriation for improvement on public squares,	1,225	00		
	@1 F00		\$5,328	00
Alexander McDonald, curbing . Timothy Stuart, labor, men, and	\$1,502	40		
teams	1,291	60		
William H. Mague, labor, men, and				
teams	565	95		
John A. Kenrick, treasurer, labor, highway department, as per				
pay-rolls	404	39		
John Joyce, labor, men, and teams,	301	50		
C. McBride, labor, men, and teams,	273	50		
Dennis Leahy, labor, men, and teams	99	00		
Thomas Stuart, services as superin-	ออ	00		
tendent	148	50		
W. S. French, services as assistant				
city engineer	65	00		
city engineer	35	00		
Arthur Woodruff, services as assist-				
ant city engineer		00		
J. L. Knox, services as stone-cutter,		00		
Scott & Maher, blacksmithing .	15	30		

Amounts carried forward . \$4,677 14 \$5,328 00

Amounts brought forward . \$4,677 14	\$5,328	00
John W. Soals, settlement for per-		
sonal injuries 50 00		
S. K. Hitchcock, loam, etc 519 94		
F. G. Barnes & Son, selling estates, 47 98		
C. W. Loring et al., trustees, value		
of policy of insurance 4 25		
R. J. Morrisey, material and labor, 4 10		
R. O. Evans, material and labor . 4 00		
G. P. Atkins, supplies 5 65		
C. W. Morehouse, supplies 2 85		
Stephen F. Cate, use of teams . 5 00		
B. F. Burgess, expressage 1 50		
Total, as per item No. 14 of expenses .	5,322	41
20th, as per result for 22 or empenses		
Balance unexpended, transferred into treasury,	\$5	59
1 ,		
Fire Department.		
Appropriation \$24,000 00		
Additional appropriation by order		
of City Council 97 51		
	\$24,097	51
Henry L. Bixby, chief of	Ψ = 1,000	01
department \$1,400 06		
William Bemis, assistant		
chief of department, 300 00		
———— \$1,700 06		
# 1 ,100 00		
STEAMER NO. 1.		
F. E. Judkins, engineer, \$949 93		
H. C. Lindley, substitute		
engineer 36 54		
H. C. Lindley, substitute		
engineer 2 61		
engineer 2 01		
Am'ts carried forward \$989 08 \$1,700 06	\$24.007	51
21111 is carried jornard \$200 00 \$1,100 00	\$24,097	01

Am'ts brought forward,	\$989	08	\$1,700	06	\$24,097	51
F. H. Harrington, driver,	750	00				
John Murphy, substitute						
driver		84				
H. C. Lindley, stoker .	95	83				
W. P. Leavitt, substitute						
stoker	2	92				
E. P. Leavitt, substitute						
stoker		25				
F. D. Graves, foreman.	90	00				
C. W. H. Boulton, assist-						
ant foreman and sec-		0.0				
retary	75	00				
E. P. Burnham, hose-	7.0	00				
man		00				
R. J. Morrisey, hoseman,		00				
O. A. Chick, hoseman. N. R. Sylvester, hose-	10	UU				
· ·	70	00				
E. P. Leavitt, hoseman.	70					
John McCamman, hose-	10	UU				
man	58	32				
E. T. Flaherty, hoseman,	43					
A. P. Spencer	40					
F. E. Liddell		83				
			2,531	65		
ST	EAMEF	NO	. 2.			
R. S. Cummings, engi-						
neer	\$949	93				
H. C. Lindley, substitute						
engineer	36	54				
C. L. Berry, driver .	750	00				
John Murphy, substitute						
driver	28	84				
-						
Am'ts $carried$ $forward$,	31,765	31	\$4,231	71	\$24,097	51

Am'ts brought forward,	\$1,765	31	\$4,231	71	\$24,097	51
G. K. Stacy, stoker .	100	00				
George H. Haynes, fore-						
man	90	00				
F. H. Humphrey, assist-					•	
ant foreman and sec-						
retary	75	00				
J. Q. A. Hawkes, hose-						
man	70	00				
W. F. Rand, hoseman .	70	00	·			
R. J. Riley, hoseman .	70	00				
T. W. Alfred, hoseman.	70	00				
F. T. Burgess, hoseman,	64	17				
C. V. Knowles, hoseman,	58	33				
H. Nicholl, hoseman .	49					
C. J. Crowley, hoseman.	40	83				
C. M. Kibbe, hoseman .	35					
J. P. Crosby, hoseman .		17				
A. F. A. G. Libbey, hose-						
man	5	83				
			2,596	14		
			,			
S.	TEAME F	R NO.	3.			
A. D. Colby, engineer .	\$949	93				
J. Foley, substitute engi-						
neer	36	54				
A. C. Jewett, driver .	750	00				
J. Foley, substitute						
driver	28	84				
J. Foley, substitute						
driver (Jewett						
sick)	62	50				
A. C. Jewett, paid for						
substitute driver .	23	76				
				- Charles		
Am'ts carried forward,	\$1,851	57	\$6,827	85	\$24,097	51



Amt's brought forward, \$\\$C. A. Peck, stoker . W.A. Thompson, stoker, G. F. Richardson, fore-	83	57 33 67	\$6,827	85	\$24,097	51
man S. F. Chadbourne, assistant foreman and sec-	90	00				
retary	75	00				
D. McDonald, hoseman,	70	00				
C. B. Garey, hoseman .	70	00				
William Bliss, hoseman,	70	00				
T. R. Frost, hoseman .	70	00				
C. Polley, hoseman .	70	00				
W. A. Thompson, hose-						
man	58	33				
E. Frost, hoseman .	49	58				
A. J. Roach, hoseman .	46	66				
A. I. English, hoseman.	23	3 3				
C. Thompson, hoseman,	20	42				
C. A. Peck, hoseman .	11	67				
			2,676	56		
ноок А	ND LA	.DDEF	R NO. 1.			
Charles Murphy, driver,	\$750	00				
John Murphy, substitute	W. C. C.					
driver	28	84				
W. S. Higgins, foreman,		00				
F. B. Sisson, assistant						
foreman and secre-						
tary	75	00				
J. H. Williams, ladder-	,,					
man	70	00				
O. Dow, ladderman .		00				
T. C. Nickerson, ladder-	• •	00				
man	70	00				
man		00				
Am'ts carried forward, $$$	1,153	84	\$9,504	41	\$24,097	51

Am'ts brought forward, $$$	1.153 84	\$9,504 41	\$24,097 51
H. J. Williams, ladder-	,	" - /	, , , , , , , , , , , , , , , , , , , ,
man	70 00		
J. Beal, ladderman .	70 00		
U. H. Dyer, ladderman.	70 00		
C. Coleman, ladderman.	70 00		
J. F. Horrigan, ladder-			
man	46 67		
J. H. Gilman, ladder-			
man	46 66		
T. B. Watts, ladderman,	46 66		
M. McLeod, ladderman,	$23 \ 33$		
J. Murphy, ladderman.	17 50		
-		1,614 66	
HOSE	COMPANY	NO. 4.	
J. E. Watson, driver .	\$333 36		
J. Murphy, substitute			
driver	19 20		
E. C. Waterhouse, fore-			
man	90 00		
Joseph Fontaine, assist-			
ant foreman and			
secretary	43 75		
E. P. Bessie, assistant			
foreman and hose-			
man	70 40		
Daniel Archibald, hose-			
man	70 00		
John Deary, hoseman .	52 50		
A. J. Wardless, hose-		•	
man	29 16		
J. F. Horrigan, hoseman,	23 33		
J. E. Watson, hoseman.	23 32		
J. H. Maynard, hoseman,	17 50		
		772 52	
Amounts carried forward	d .	\$11,891 59	\$24,097 51

Amounts brought forwa	rd.	•	\$11,891	59	\$24,097	5
HOSE	COMPA	ANY	NO. 5.			
William F. Soule, fore-						
man	\$90	00				
J. F. Washburne, assist-						
ant foreman and						
secretary		00				
John Frost, hoseman .	70	00				
Charles A. Drake, hoseman	46	66				
J. M. Taylor, hoseman.		17				
L. H. Spaulding, hose-		_ ,				
man	23	33				
			334	16		
HORE	COMPA	3757	NO C			
			NO. 6.			
Bernard Early, foreman, Charles S. Morse, assist-	\$90	00				
ant foreman and						
secretary	43	75				
H. H. Miles, assistant						
foreman and hose-						
man .	66	24				
Daniel J. Corcoran, hose-	70	00				
man		00 16				
D. J. Cooney, hoseman.		50				
G. T. Clatworthy, hose-	-					
man	29	17			•	
B. C. Fisher, hoseman .	5	83				
William B. Kenney,	_					
hoseman		83				
Fred H. Smith, hoseman,	5	83	433	21		
			LOU	<u></u>		

Amounts carried forward . . \$12,659 06 \$24,097 51

Amounts brought forward \$12,659 06 \$24,097 51
HOSE COMPANY NO. 7.
W. S. Cargill, foreman . \$90 00
Harley A. Smith, assist-
ant foreman and
secretary 75 00
J. E. Trowbridge, hose-
man 70 00
J. T. Thomason, hose-
man 70 00
A. M. Fuller, hoseman . 70 00
A. E. Easterbrook, hose-
man 70 00
445 00 14 firemen, extra services, July 4 . 42 00
14 firemen, extra services, July 4. 42 00
REPAIRS, SUPPLIES, AND INCIDENTALS.
J. E. Tolman, exchange on horses, \$275 00
E. Ham & Co., exchange on horses, 200 00
Albert Brackett, grain 884 91
C. F. Eddy & Co., grain 682 59
H. W. Crowell, grain . 672 48
E. Smead & Co., grain . 219 50
R. M. Flint, hay 202 38
G. & L. Miles, hay . 31 82
Water department, use of water . 199 50
N. & W. Gaslight Company, gas . 288 75
American Fire-hose Manufacturing
Company, hose, etc 916 00
Abbot Downing Company, repairs
on hose-carriage 207 00
J. R. McLaughlin, care of sick
horses
Albert Brackett, coal and wood . 982 52

Hills & Bullens, coal and wood

44 75

. \$19,104 26

30 75

15 10

11 00

5 75

62 25

\$24,097 51

Amounts brought forward

C. F. Eddy & Co., coal and wood.

Almshouse department, wood

George Warren & Co., wood

T. W. Nickelson, wood.

Cairns & Brother, helmets

T. S. Nowell, Holland service-pipe,	50	00
Charles E. Berry, 2 pairs hames .	50	00
C. F. Shourds & Co., feather-		
dusters	40	50
William C. Smith, quick hitches .	36	00
G. W. Hawkes, use of wagon .	31	00
F. E. Judkins, castings, spring, etc.,	31	50
Sabin & Page, blankets, etc	27	00
Seccomb, Kehew, & Sons, oil .	24	00
Manchester Locomotive Works,		
gong	2 2	00
Charles Murphy, extra labor at hook		
and ladder house	20	00
Leander Barber, brooms	20	00 .
Charles Murphy, buggy, etc	18	50
Sherburne & Co., waste	18	56
W. H. Bustin, horse-collars	12	00
H. L. Bixby, sundry cash expenses,	11	
F. E. Jenison, soap	11	15
J. Smith & Co., nock boots		00
Morss & Whyte, wire-basket .		50
J. Boyd & Sons, steel ring-bits .	7	50
Beder, Adamson, & Co., emery-		
cloth	5	40
Mrs. S. E. Shattuck, repairing		
coats		25
J. N. Danforth, horse-salve	4	00
J. L. Randall and other, snow from		
hydrants	4	00
Amounts carried forward .	\$19,697	87 \$24,097 51









Amounts brought forward .	\$10.607.07	#24.007.64
American Steam Gauge Company,	Ф19,091 81	\$24,097 51
repairing whistle	3 50	
Lustralis Manufacturing Co., oil .	8 25	
J. Breck & Sons, jack	4 50	
Scrannage Bros. & Cook, gong-bell,	4 60	
T. W. Alfred, badge returned .	3 50	
F. O. Dewey & Sons, lantern globes,	3 25	
M. Gorman, clipping horse	3 00	
C. W. H. Moulton & Co., step-		
ladder	2 80	
Milo Lucas, sawdust	2 75	
Boston Nickel Plating Co., plating,	2 50	
J. Bowmas, watching fires	2 50	
J. Hurley, watching fires	2 50	
L. J. Kendall, ice	10 50	
George H. Ellis, ice	7 50	
Howard Brothers, ice	6 30	
C. H. Jenison, expressage	17 00	
Bullard's Express, expressage	3 50	
Eames's Express, expressage.	2 75	
J. Carroll, material and labor	68 09	
F. H. Humphrey, material and		
labor	42 97	
Pettee Machine Works, material and labor	00.00	
	39 86	
Ryan Brothers, material and labor, M. S. Hodgson, material and labor,	28 95	
Peter Grey, material and labor.	21 10	
William Welch, material and labor,	20 00	
D. W. Brownell, material and labor,	15 00	
Hunniman & Co., material and	14 20	
labor	12 00	
George Fuller, material and labor,	10 50	
Isaac Smith, material and labor .	8 00	
,		
Amounts carried forward .	\$20,069 74	\$24,097 51

Amounts brought forward .	\$20,069	74	\$24,097	51
J. H. Williams, material and labor,		70		
Higgins & Nickerson, material and				
labor	6	12		
R. J. Morrisey, material and labor,	6	00		
C. J. Crowley, material and labor.	5	00		
Cranitch & Horrigan, material and				
labor	4	25		
C. S. Phillips, material and labor.	4	00		
Adam Beck, material and labor .	3	90		
Whittier Machine Company, ma-				
terial and labor	3	55		
H. H. Hunt, material and labor .	2	84		
B. F. Barlow, blacksmithing	27	10		
Scott & Maher, blacksmithing .	24	97		
Charles A. Cole, blacksmithing .	24	82		
A. W. Ward, blacksmithing	22	95		
P. A. McVicar, blacksmithing .	15	50		
J. C. Farrar, blacksmithing	11	75		
A. Danforth, agent, blacksmithing,	5	50		
D. Harrington & Son, use of teams,	57	00		
Stephen F. Cate, use of teams .	50	00		
S. L. Pratt, use of teams	37	00		
W. H. Mague, use of teams	16	00		
Nonantum Stables, use of teams .	14	00		
William Weir, use of teams	8	00		
S. P. Whitman, agent, use of teams,	8	00		
C. McBride, use of horse	21	77		
Timothy Stuart, use of horses .	21	39		
B. McFaden, use of horses	21	00		
John Joyce, use of horses	9	00		
J. D. Watson, use of horses	8	75		
Dennis Lahey, use of horses	7	38		
Daniel Murphy, use of horses .		50		
Mrs. William Bliss, laundry-work.	50	33		

Amounts carried forward . \$20,577 81 \$24,097 51

Amounts brought forward	٠	\$20,577	81	\$24,097	51
Charles Murphy, laundry-work			36	#==,000	_
Mary A. Crowley, laundry-work			24		
F. H. Harrington, laundry-work			45		
Mrs. F. B. Reed, laundry-work		37	30		
Harley A. Smith, laundry-work		23	94		
Mrs. Margaret Smith, laundry	r_				
work		19	25		
E. B. Blackwell, laundry-work		2	00		
R. H. White & Co., supplies		55	57		
George H. Ingraham, supplies		37	65		
H. E. Woodbury, supplies .		16	86		
C. W. Morehouse, supplies .		16	83		
W. C. Gaudelet, supplies .		12	53		
H. W. Wellington, supplies .		11	77		
B. F. Houghton, supplies .		10	39		
J. E. Trowbridge, supplies .		9	72		
G. Wadleigh, supplies		7	22		
J. J. Noble, supplies		6	81		
W. O. Knapp & Co., supplies		5	85		
Thayer & Stiles, supplies .		5	32		
T. R. Frost, supplies		4	88		
L. A. Roach, supplies		4	50		
I. H. Snow, supplies		4	40		
A. &. E. Burton & Co., supplies		4	00		
Gilman Brothers, supplies .		4	00		
J. A. & W. Bird & Co., supplies		3	50		
C. F. Rogers, supplies		3	25		
W. D. Higgins, supplies .		2	96		
A. Pillsbury, jun., supplies .		2	55		
P. H. Graves & Son, supplies		2	50		
Gould Packing Company, supplies	,	2	40		
H. B. Coffin, supplies			25		
W. J. Wilson, supplies			25		
Sundry small bills		13	11		

Amounts carried forward . \$21,040 42 \$24,097 51

FIRE-ALARM TELEGRAPH.

G. W. Ulmer, fire-alarm			
telegraph-operator.\$	1,000	00	
Edwin Rogers, apparatus	,		
for fire-alarm steam-			
whistle, two signal-			
boxes, etc	926	70	
Thomas Gooch, tele-			
graph-poles	160	00	
Abiel Pevey, vitriol, etc.,	149		
W. H. Swift & Co.,			
vitriol, etc	61	23	
J. A. & W. Bird & Co.,			
vitriol	31	50	
C. L. Bly, wire, etc		03	
Washburne & Moen			
Manufacturing Co.,			
wire	44	60	
American Steam Gauge			
Co., whistle	40	00	
M. G. Crane, material			
and labor	65	95	
H. H. Hunt, material and			
labor	27	75	
F. H. Humphrey, mate-			
rial and labor.	19	90	
C. A. Cole, material and			
labor	10	00	
C. S. Phillips, material			
and labor	8	38	
J. C. Farrar, material and			
labor	5	85	

Am'ts brought forward, $$2$,611	25	\$21,040	42	\$24,097	51
Milo Lucas, material and						
labor	5	60				
Timothy Stuart, labor,						
men, and teams .		90				
Charles Dolan, labor .	61	25				
John McCarthy, labor .	41	13				
George Lynn, labor .		63				
E. Kelly, labor		88				
J. Atkins, labor	25	38				
J. Foley, substitute fire-						
alarm operator .		48				
A. W. Mitchell, supplies,	6	30				
Charles Williams, sup-						
plies	6	00				
H. Ginnel & Co., sup-						
plies	5	00				
N. & W. Gaslight Co.,						
gas		00				
Hills & Bullens, coal .	6	75				
Dillingham's Express,						
expressage		60				
B. & A. Railroad, freight,		29				
Sundry small bills	17	93	2.20	0=		
_			2,897	37		
(I) () () X	4 P	c			00.00	5 0
Total, as per item No.	15 (or e:	xpenses	•	23,937	79
Balance unexpended, transf	erre	d in	to treasur	·v	\$159	72
T					# = 0 0	• -
Tour		D - 1	. 4.			
	aded					
Paid to Boston Five Cents		_				
of Newton, note $6\frac{1}{2}$ pe					\$40,000	00
Paid to Commonwealth of						
of Newton, note 6 per	cen	t, di	ne April	1 .	30,000	00
Total, as per item No	16 ^	f or	nongog		\$70,000	00
rotar, as per item No	10 0	I UX	penses	•	φιο,σου	00

Gravel Land.

	\$10,000	00		
Transferred to appropriation for				
highway general repairs	800	00		
min b ib i b			\$9,200	00
William P. and Benjamin Bourne,	* = 04=	4.0		
gravel land	\$7,217			
	1,500	00		
John A. Kenrick treasurer, labor,				
men, and teams, highway de-	0 = 0			
partment	250			
William Wiswall, gravel		00		
Michael Dolan, gravel		70		
Benjamin Bourne, gravel		70		
Arthur Muldoon, gravel		00		
Caleb Crafts's heirs, gravel		7 5		
Michael Lester, gravel		60		
William Walsh, gravel		20		
Patrick Shea, gravel		15		
F. E. Hamblin, sand		25		
William F. Doyle, gravel	5	10		
Total, as per item No. 17 of ex	penses	•	. 9,173	85
Balance unexpended, transferred in	to treasu	ry	. \$26	15
Heating, Ventilating, Repairs, e	tc., on Sc	hool	houses.	
Appropriation			\$17,500	00
George K. Paul & Co., material			" ',	
and labor	\$6,335	00		
C. H. & A. F. Ireland, material	, ,			
and labor	4,399	55		
Isaac Smith & Daniel Hurley, ma-	,			
terial and labor	3,915	80		
Alfred Hopkins, material and labor,	760			
Amounts carried forward .	\$15,410	35	\$17,500	00

Amounts brought forward .	\$15,410	35	\$17,500 00)
A. W. Snow, material and labor .	608		ŕ	
Higgins & Nickerson, material and				
labor	213	00		
Milo Lucas, material and labor .	116	41		
James McGourty, material and				
labor	105	37		
W. A. Fogwell, material and labor,	43	35		
H. F. Wellington, material and				
labor	27	71		
W. J. Wilson, material and labor.	16	37		
Isaac Smith, material and labor .	13	42		
W. H. French & Co., material and				
labor	10	23		
M. Taffe, material and labor.	5	30		
Charles Scott, material and labor.	5	00		
John A. Kenrick, treasurer, pay-				
rolls for labor	479	51		
Timothy Stuart, labor, men, and				
teams	12	00		
Fiske & Coleman, supplies	111	67		
Waldo Brothers, supplies	71	30		
G. F. Frost, supplies	69	00		
C. W. Boynton, supplies	68	90		
Thayer & Stiles, supplies	27	43		
M. Pond & Co., supplies	17	50		
Fulton Foundry Co., supplies .	15	00		
T. Pickthall, supplies	10	00		
Davis & Farnum Manufacturing				
Co., supplies	6	28		
N. Y. and N. E. Railroad, freight.		60		
, 3				
Total, as per item No. 18 of ex	penses	•	17,464 3	7
Balance unexpended, transferred in	ito treasu	ry.	\$35 6	3

Highways, General Repairs.

Appropriation	\$55,000	00		
Transferred from receipts, by order of City Council	5,14 5	79		
Transferred from appropriation for drains and culverts, by order of City Council	2,000	00		
Transferred from appropriation for gravel land, by order of City	2,000	00		
Council	800	00		
land damages, by order of City Council	800	00		
			\$63,745	79
William E. Fuller, superintendent of streets	\$1,400	00		
William E. Fuller, sundry cash	*-,			
expenses	6	00		
John J. Ware, assistant superin-				
tendent of streets	860	75		
John A. Peck, assistant superin-	0.00			
tendent of streets	860	75		
George E. Stuart, assistant super- intendent of streets	996	75		
intendent of streets Samuel M. Jackson, assistant super-	990	10		
intendent of streets	91	63		
John A. Kenrick, treasurer, amount	0.2			
paid laborers on discharged				
tickets	5,169	29		
John A. Kenrick, treasurer, amount				
paid laborers upon highways,	0.0 4.00			
as per pay-rolls	33,158			
Simpson Brothers, concreting .	974			
Noah Prescott, flagstone	172			
C. F. Eddy & Co., grain, etc.	1,889	55		
Amounts carried forward .	\$45,580	04	\$63,745	79

Amounts brought forward		\$45,580	04	\$63,745 79
Albert Brackett, grain, etc		922		\$00, F. F.
H. W. Crowell, grain, etc.		686		
E. Smead & Co., grain, etc.		135		
Cousens Brothers, hay		759		
Almshouse department, hay, e	te	256		
George D. Dix, hay, etc.		254		
A. B. Potter, hay, etc		227		
Granville Miles, hay, etc.		212		
H. B. Braman, hay, etc.	·	186		
N. B. Douglass, hay, etc.		157		
F. A. Collins, hay, etc	·	155		
William Dix, hay, etc			85	
Samuel M. Jackson, hay, etc.			37	
David Hall, hay	•		18	
M. C. Morrell, hay	•		18	
J. Connell, hay			52	
L. C. Tolman, hay	·		68	
G. &. L. Miles, hay	•	61		
C. H. Hale, hay		52		
G. E. Johnson, hay		46		
A. L. Hale, hay	·	25		
Leonard Hurd, straw		25		
William Stearns, straw.			25	
Ezra Hawkes, straw	Ĭ		70	
Johnson & Keyes, straw .			29	
J. C. Donelan, treasurer, pa	tent	·		
food		6	00	
David Jackson, exchange of ho	rses.	674		
Lewis E. Felton, pair horses.		510		
J. E. Tolman, horse		275		
Patrick Brennan, horse .		225		
J. R. McLaughlin, care of	sick			
horses		180	00	
M. Bunker, care of sick horses	s .		00	
, , , , , , , , , , , , , , , , , , , ,				

Amounts carried forward . \$52,117 23 \$63,745 79

Amounts brought forward .	\$52,117	23	\$63,745	79
John Pulcifer, six carts	600			
John J. Ware, use of horse and car-				
riage	200	00		
Water department, use of water.	129	50		
N. & W. Gaslight Company, gas .	124	75		
J. H. Whitney, chestnut posts .	172	33		
Ames Plow Company, tools, etc	796	63		
H. M. Darling & Co., tools, etc	193	75		
Dodge, Gilbert, & Co., tools, etc	156	23		
Dodge, Haley, & Co., tools, etc	11	70		
Farrell Foundry and Machine Com-				
pany, chills and plates	147	69		
Manchester Mills, watering-cart .	100	00		
Rockwell & Moseley, powder and				
fuse	106	00		
George A. Goodyear, powder and				
fuse	53	40		
Boston and Albany Railroad,				
freight	70	64		
Thomas B. Adams & Co., leather				
belting	61	72		
Vacuum Oil Company, oil	46	50		
Butchers' Slaughtering and Melt-				
ing Association, oil	11	50		
W. L. Dudley, curry-combs and				
brushes	35	00		
C. S. Packard, four drags	32	00		
Morss & Whyte, gravel screens .	36	00		
N. & W. Gaslight Company, iron				
pipe	23	00		
John Mulliken & Co., waste	22	06		
W. H. Bustin, horse-collars	19	50		
J. N. Danforth, horse-salve	12	24		
Gilkey and Stone, lumber	12	22		
				-
Amounts carried forward .	\$55,291	59	\$63,745	79

A	Ø55 001	50	000745 70
Amounts brought forward .		00	\$63,745 79
Leander Barber, brooms	14	00	
Dr. J. R. Deane, attendance upon	C	00	
J. Coffee		00	
Gould Packing Company, packing,	4	67	
Town of Wellesley, half expense		40	
on bridge		49	
Quincy Harrington, filing saws .		90	
C. L. Berry, clipping horse		00	
F. H. Harrington, clipping horse.	3	00	
Samuel M. Jackson, labor, men,		0.0	
and teams	75	98	
Timothy Stuart, labor, men, and			
teams	65	63	
Dennis Lahey, labor, men, and			
teams		18	
J. Joyce, labor, men, and teams .	15	75	
James Mullen, labor, men, and		•	
teams	11	50	
J. Cunningham, labor, men, and			
teams	8	00	
G. W. Bush, horse and carriage			
hire	16	00	
J. Frank Makee, horse and carriage			
hire	16	00	
S. F. Cate, horse and carriage hire,	14	50	
W. H. Mague, horse and carriage			
hire	10	00	,
Nonantum Stables, horse and car-			,
riage hire	7	00	
D. Harrington & Son, horse and			
carriage hire	2	00	
N. & W. Gaslight Company, coal.	218	65	
Trowbridge & Hill, coal	18	46	
T. W. Nickelson, coal	14	50	
Amounts carried forward .	\$55,838	80	\$63,745 79

Amounts brought forward .	\$55,838	80	\$63,745	79
Hills & Bullens, coal		00		
Albert Brackett, coal	6	75		
J. W. Pearson, coal	3	50		
Waters & Inman, wood and coal.	27	62		
George Warren & Co., wood and				
coal	46	70		
Daniel McNamara, wood	8	50		
C. H. Jenison, expressage	14	98		
C. H. Hurd, expressage	7	20		
Andrew Peters, blacksmithing .	897	09		
J. C. Farrar, blacksmithing	894	07		
Murray & Farrell, blacksmithing.	874	25		
Thomas Belger, blacksmithing .	295	64		
Scott & Maher, blacksmithing .	262	76		
B. F. Barlow, blacksmithing .	258	46		
Charles A. Cole, blacksmithing .	210	73		
J. McFaden, blacksmithing	209	95		
D. J. O'Donnell, blacksmithing .	84	38		
J. E. Keegan, blacksmithing.	56	97		
John Pulcifer, blacksmithing .	53	02		
Lane & McFaden, blacksmithing.	33	62		
P. A. McVicar, blacksmithing .	30	26		
A. Danforth, agent, blacksmithing,	17	25		
A. W. Ward, blacksmithing.	9	50		
John McDonald, agent, blacksmith-				
ing	3	75		
J. Carroll, material and labor .	249	74		
S. D. Garey, material and labor .	215	72		
William Petigrew, material and				
labor	127	83		
Higgins & Nickerson, material and				
labor	114			
R. J. Morrisey, material and labor,	101			
T. F. Glennan, material and labor,	97	45		
Amounts carried forward .	\$61,104	50	\$63,745	79

Amounts brought forward .	\$61,104	50	\$63,745	7 9
W. E. Porter, material and labor.		35		
Pettee Machine Works, material				
and labor	83	09		
H. L. White, material and labor .	81	15		
Milo Lucas, material and labor .	62	74		
George Fuller, material and labor.	61	36		
M. S. Hodgson, material and labor,	59	55		
V. Haffermehl, material and labor,	59	01		
C. H. &. A. F. Ireland, material				
and labor	58	77		
R. O. Evans, material and labor .	51	00		
D. W. Brownell, material and labor,	49	80		
Isaac Smith, material and labor .	49	43		
Kendall & Roberts, material and				
labor	46	97		
P. Y. Hoseason, material and labor,	42	35		
W. H. French & Co., material and				
labor	31	50		
Cranitch & Horrigan, material and				
labor	31	30		
Stephen Holmes, material and				
labor	30	80		
C. S. Phillips, material and labor,	22	58		
Henry McLean, material and labor,	19	80		
G. B. Randall, material and labor,	19	30		
J. D. Billings, material and labor.	15	15		
William Welch, material and labor,	14	19		
H. H. Hunt, material and labor .	13	93		
William Johnson, material and				
labor		75		
Joseph Otis, material and labor .		50		
Allen Jordan, material and labor.		78		
William Bemis, material and labor,		75		
P. Carbry, material and labor .	9	50		

Amounts carried forward . \$62,157 90 \$63,745 79

Amounts brought forward .	\$62,157	90	\$63,745	79
O. B. Leavitt, material and labor.	9	31		
A. J. Fiske & Co., material and				
labor	8	50		
J. O. Evans & Son, material and				
labor	7	67		
A. W. Snow, material and labor .	6	35		
F. H. Humphrey, agent, material				
and labor	5	60		
W. J. Wilson, material and labor:	4	30		
L. A. Gammons, material and labor,	3	85		
W. L. Smith, material and labor .	3	30		
G. S. Noden, material and labor .	3	15		
M. C. Higgins, material and labor,	2	91		
R. Arnold, material and labor .	2	18		
Sabin & Page, supplies	146	75		
F. E. Hamblin, supplies	138	13		
B. F. Houghton, supplies	57	18		
M. F. Whiton & Co., supplies .	56	75		
Howe & French, supplies	34	73		
C. W. Morehouse, supplies	31	50		
J. F. Paul & Co., supplies	30	00		
G. Wadleigh, supplies	28	88		
W. O. Knapp & Co., supplies .	25	47		
Bagnall & Laud, supplies	24	70		
I. H. Snow, supplies	24	70		
J. J. Noble, supplies		35		
G. P. Atkins, supplies	21	62		
J. Duggan, supplies	16	20		
W. D. Higgins, supplies	14			
H. B. Coffin, supplies	14			
Blanchard & Atkins, supplies .		45		
J. S. Sumner, supplies	8	3 5		
Sewall & Day Cordage Co., sup-				
plies	6	55		
Amounts carried forward .	\$62,928	51	\$63,745	79

		***	~ .	# 00 = 4 F	
Amounts brought forward	•	\$62,928		\$63,745	79
J. Breck & Son, supplies .	٠		50		
G. F. Richardson, supplies .	•		64		
C. F. Rogers, supplies	٠		45		
Walworth Manuf. Co., supplies	•		40		
G. H. Ingraham, supplies .		4	87		
J. E. Trowbridge, supplies .	•	4	09		
Henry Moulton & Co., supplies		3	60		
A. A. Savage, supplies		3	30		
Aug. Williams, supplies .		3	05		
Fletcher & Towne, supplies.		2	88		
J. W. Davis & Co., supplies.		2	29		
A. Pillsbury, jun., supplies .		2	25		
H. W. Fanning & Son, supplies		2	03		
Sundry small bills			61		
Total, as per item No. 19 of	ex	penses		63,003	47
_ , p	-	-P			
Balance unexpended, transferred	in	to treasur	y,	\$742	32
Highways, Widening a	nd	Improver	nent	s.	
Appropriation				\$10,000	00
John A. Kenrick, treasurer, amou	· n+	•	•	φ10,000	UU
paid for labor and teams, as p	er	መሮ ዓሮ ስ	00		
pay-rolls	•	\$6,369	ZZ		
Lidgerwood Manufacturing Con	m-	# 000	0.0		
pany engine		1,300	(141)		
		_,	00		
Farrell Foundry and Machine Co	m-	·			
pany, crusher	m- •	800	00		
pany, crusher Noah Prescott, stone	•	·	00		
pany, crusher	•	800 313	00 70		
pany, crusher Noah Prescott, stone	•	800	00 70		
pany, crusher Noah Prescott, stone C. H. & A. F. Ireland, materi	al	800 313	00 70		
pany, crusher Noah Prescott, stone C. H. & A. F. Ireland, materiand labor	al	800 313	00 70 27		
pany, crusher Noah Prescott, stone C. H. & A. F. Ireland, material and labor Higgins & Nickerson, material and labor	al	800 313 252	00 70 27		
pany, crusher Noah Prescott, stone C. H. & A. F. Ireland, material and labor Higgins & Nickerson, material and labor	al	800 313 252	00 70 27 99		

Amounts brought forward . \$9,2	32	96	\$10,000	00
Charles A. Cole, material and labor,		00		
William Petigrew, material and				
labor	57	70		
Stephen Holmes, material and				
labor	38	83		
V. Haffermehl, material and labor,	13	99		
W. S. French, services as assistant				
engineer	65	00		
W. P. Morse, services as assistant				
engineer	35	00		
Arthur Woodruff, services as assist-				
ant engineer	25	00		
Simpson Brothers, concreting .		73		
T. B. Adams & Co., belt		23		
Waldo Brothers, cement		50		
A. W. Carter, trustee, gravel .		45		
Boston and Albany R.R., freight.		00		
W. H. McIntosh, use of team .		00		
S. F. Cate, use of team	1	50		
_				
Total, as per item No. 20 of expense	S	•	9,794	89

Balance unexpended, transferred into tre	ast	ıry,	\$205	11
Della Company of the Company		13		
Paid to G. W. Ulmer, for board of Willi			075	۸۸
Hutchin, as per item No. 21 of expe	nse	s.	\$75	00
Improvement on Public Squ	are	es.		
Appropriation \$2,5				
Transferred to special appropria-	vv	00		
tion for Farlow Park by order				
· · · · · · · · · · · · · · · · · · ·				
51 510j 55 and 192	25	00		
	25	00	\$1,275	00
_	25	00	\$1,275 ———	00
$$ $Amount\ carried\ forward\ . \ .$		00	\$1,275 ——— \$1,275	

Amount brought forward .		. \$1,275 00
John A. Kenrick, treasurer, labor,		
men, and teams on Lake Ave-		
nue, Ward 6	\$500 00	
Newton Cemetery Corporation, for		
trees, labor, etc., on Centre		
Green, Newton Centre	150 00	
Newton Cemetery Corporation, for		
trees, labor, etc., on Washing-		
ton Park	100 00	
Timothy Stuart, labor, men, and		
teams	98 00	
M. J. Gill, curbing park Newton		
Highlands	83 00	
J. F. C. Hyde, services as appraiser,	30 00	
Levi Coldwell, stone wall, Ward 6,	30 00	
Alexander McDonald, material and		
labor	25 83	
Milo Lucas, material and labor .	22 50	
C. S. Phillips, material and labor.	10 00	
R. J. Morrisey, material and labor,	1 74	
George H. Pratt, advertising and		
printing	63 95	
The "Newton Graphic," advertis-		
ing and printing	59 33	
Transcript Publishing Company,		
advertising and printing .	58 13	
Stephen F. Cate, horse and car-		
riage hire	29 00	
C. G. Tinkham, horse and car-		
riage hire	4 00	
John T. Hill, horse and carriage hire,	3 00	
Eames's Express, expressage .	4 00	
, ,		
Total, as per item No. 22 of ex	penses .	. 1,272 48
Balance unexpended, transferred in	to treasury	. \$2 52

Interest on City Loans, Temporary and Perm	anent.	
Appropriation	\$25,500	00
Commonwealth of Massachusetts . \$14,604 27	# =0,000	
City Institution for Savings,		
Lowell 4,800 00		
Municipal bonds 1,700 00		
Suffolk Savings Institution . 1,518 90		
Blake Brothers & Co 1,388 89		
Boston Five Cents Savings Bank . 765 55		
Park bonds 500 00		
Kenrick Fund		
Total, as per item No. 23 of expenses .	25,329	81
Balance unexpended, transferred into treasury	. \$170	19
Interest on Water Bonds.		
Appropriation	\$51,400	00
National Bank of the Common-	,	
wealth \$24,250 00		
National Bank of the Common-		
wealth 1,200 00 National Bank of the Common-		
wealth 24,250 00		
National Bank of the Common-		
wealth 1,200 00		
,		
Total, as per item No. 24 of expenses .	50,900	00
Balance unexpended, transferred into treasury	. \$500	00
Indigent Soldiers and Sailors.		
	. \$1,000	00
Levi Harrison	φ1,000	00
Rasselas W. Ireland		
Trasseras W. Herand 90 00		
Amounts carried forward . $\$240$ 00	\$1,000	00

$Amounts\ brought\ forward$.	\$240 00 \$1,000 00
Albert P. Bugbee	96 00
John N. Nichols	96 00
John F. Franklin	96 00
Daniel Sullivan	90 00
John Curtin	72 00
Franklin D. Hill	72 00
James H. Lockley	72 00
Samuel Franklin	64 00
Samuel Wallis	40 00
Total, as per item No. 25 of e	expenses 938 00
Balance unexpended, transferred i	nto treasury . \$62 00
Industrial and Mecha	nical Drawing.
Appropriation	\$300 00
Henry N. Mudge, services as teach	er, \$151 75
Joshua L. Randall, janitor	16 00
, v	
Total, as per item No. 26 of e	expenses 167 75
Balance unexpended, transferred i	nto treasury . \$132 25
Land Dama	res
Appropriation	•
Transferred to appropriation for high	•
way, general repairs	000 00
way, general repairs	\$600 00
R. L. Bridgman, land on Hancock	"
Street	\$148 35
Simpson Brothers, concreting side-	
walk, Newtonville Square	127 52
Heirs of Patrick Hurley, land on	
Summer Street	
Summer Street	110 00
Amounts carried forward	\$385 87 \$600 00

Amounts brought forward . \$385-87 Callahan Corkery, land on Summer	\$600 00
Street 90 00	
Dustin Lancy and O. B. Leavitt,	
land in Newtonville Square . 41 80	
John A. Kenrick, treasurer, labor,	
men, and teams, highway de-	
partment	
Total, as per item No. 28 of expenses .	. 554 42
Balance unexpended, transferred into treasury	• \$45 58
Memorial Day.	
Appropriation	. \$300 00
Charles Ward Post No. 62 G.A.R., \$300 00	
Total, as per item No. 29 of expenses .	. \$300 00
10000, no por 10011 100 20 01 01 01 01000	Ψ,
Miscellaneous Expenses.	
Appropriation	\$18,000 00
George R. Aston, judgment, Aston	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water,	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water, watering streets 1,999 19	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water, watering streets 1,999 19 Water department, use of water,	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water, watering streets 1,999 19 Water department, use of water,	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water, watering streets 1,999 19 Water department, use of water, watering-troughs 800 00	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water, watering streets 1,999 19 Water department, use of water, watering-troughs 800 00 Water department, use of water, drinking-posts	\$18,000 00
George R. Aston, judgment, Aston vs. city of Newton \$3,939 59 Francis C. White, judgment, White vs. city of Newton 3,294 29 Francis D. Blake, judgment, Blake vs. city of Newton 411 47 Water department, use of water, watering streets 1,999 19 Water department, use of water, watering-troughs 800 00 Water department, use of water, drinking-posts	\$18,000 00

$A mounts\ brought\ forward$. $\$$	11,164	54	\$18,000 00
W. H. Mague, watering streets,			
Wards 3 and 4	525	00	
T. R. Frost, watering streets,			
Ward 6	262	50	
B. McFaden, watering streets,			
Ward 2	247	50	
Charles Robinson, jun., legal ser-			
vices, etc	965	95	
Peter Thacher, legal services, etc.,	860	50	
Solomon Lincoln, legal services,			
etc	800	00	
W. S. Slocum, legal expenses in			
suits	375	00	
M. C. Laffie, serving warrants, etc.,	298	46	
R. M. Lucas, serving warrants, etc.,	117	19	
John M. Fisk, serving warrants, etc.,	90	81	
J. Upham Smith, collecting taxes.	4	50	
N. C. Sanger, settlement of claim,	75	00	
G. F. Morgan, abstract of deeds			
for assessors	138	08	
M. U. Adams, services on account			
of tax, Newton Mills	100	00	
Otis Pettee, services on account of			
tax, Newton Mills	10	00	
Clerk of Courts, Middlesex County,			
recording notices	3	70	
Charles B. Stevens, recording tax			
deeds	2	25	
Albert A. Dyer, invalid tax title			
and expenses	122	40	
Shedd & Sawyer, services in Sanger			
case	27	50	
New-England Telephone Com-			
pany, rental of instruments .	327	33	
$Amounts\ carried\ forward$. $\$$	16,518	21	\$18,000 00

Amounts brought forward .	\$16,518	21	\$18,000 00
Suburban Telephone Company,			
messages, etc.	15	70	
Charles Williams, jun., repairs, etc.,	23	50	
Charles H. Stacy, telegrams	60	36	
Newton Athenaum, aid for reading-			
room · · · ·	250	00	
American Bank Note Company,			
changing plate for bonds .	100	00	
Boston Safe Deposit and Trust			
Company, rent of box	40	00	
George E. Bridges, services in city			
clerk's office	225	00	
George E. Bridges, services collect-			
ing account of births	212	00.	
E. D. Brooks, trimming trees .	120	00	
Thomas Troy, trimming trees .	31	50	
Drew, Allis, & Co., printing ordi-			-
nances in Newton Directory,			
and twelve copies Newton Di-			
rectory · · · ·	94	50	
J. Q. Fuller, four copies Boston			
Directory · · · ·	20	00	
Samuel M. Jackson, use of horse			
and carriage in assessing taxes,		00	
Edwin Fewkes, flowers, Memorial			
Day · · · ·	26	00	
William S. French, services for city			
clerk · · · ·	25	00	
Heirs of A. Cole, rent of hall for			
ward-room · · ·	26	00	
G. Wadleigh, rent of Tremont Hall			
for ward-room	. 18	00	
Rand, Avery, & Co., printing mu-			
nicipal register, tax-lists, etc.		21	
Amounts carried forward	. \$18,515	98	\$18,000 00









Amounts brought forward .	\$18,515	98	\$18,000	00
George H. Pratt, advertising tax-				
sale, warrants, etc	218	75		
Transcript Publishing Company,				
advertising warrants, etc.	68	50		
The "Newton Graphic," advertis-				
ing warrants, etc	52	50		
Wright & Potter Printing Com-				
pany, printing	22	00		
G. M. Bridges, printing	2	50		
M. R. Warren, supplies	215	11		
Isaac Hagar, writing up descrip-				
tion of estates for tax-sale .	25	00		
Isaac Hagar, for incidental expenses				
in assessors' department	22	95		
Isaac F. Kingsbury, incidental ex-				
penses in city clerk's depart-				
ment	56	80		
John A. Kenrick, incidental ex-				
penses in treasury department,	34	15		
Benjamin F. Otis, incidental ex-				
penses in auditor's depart-				
ment	74	25		
J. D. Wellington, expenses in city				
messenger's department.	2	03		
D. Harrington & Sons, carriages,				
Memorial Day	80	00		
Stephen F. Cate, use of teams .	47	25		
Nonantum Stables, use of teams .	18	00		
George W. Bush, use of teams .		00		
Harris Express, use of teams .		00		
William Weir, use of teams		00		
W. H. Mague, use of teams		00		
A. A. Savage, use of Tremont Hall,		00		
L. W. Rogers, city seals		80		
, , , , , , , , , , , , , , , , , , , ,				
Amounts carried forward .	\$19,494	57	\$18,000	00

A. L. Shipman's Sons, supplies .

Dennison Manufacturing Com-

Amounts brought forward . \$19,494 57 \$18,000 00

4 50

pany, boxes for treasurer .	4	20	
J. Carroll, material and labor .	2	40	
C. H. Dolan, material and labor .	2	50	
Milo Lucas, material and labor .	2	17	
Stephen F. Cate, making return of			
deaths	34	7 5	
James McGourty, making return			
of deaths	19	50	
John A. Peck, making return of			
deaths	9	00	
William H. Mague, making return			
of deaths	7	50	
John Flood, making return of			
deaths	4	75	
George H. Gregg et al., making			
return of deaths	4	25	
Harrington and Gregg, making re-			
turn of deaths	4	25	
S. P. Whitman, making return of			
deaths	3	25	
Adams Express Co., expressage .	9	85	
J. T. Hill, conveying returns of			
elections	5	00	
J. Frank Makee, conveying returns			
of elections	. 4	00	
John Purcill, conveying returns of			
elections	4	00	
B. H. Huestis, conveying returns			
of elections	2	00	
Bernard Early, conveying returns			
of elections	2	00	
W. F. Soule, fitting up ward-room,	19	00	
, , , , , , , , , , , , , , , , , , , ,			
Amounts carried forward .	\$19,643	44	\$18,000 00

Thomas Woodman, fitting up ward-

room

Amounts brought forward . \$19,643 44 \$18,000 00

12 00

J. D. Billings, fitting up ward-				
room	7	00		
Thomas Woodman, ringing bell .		00		
Geo. W. Chamberlain, ringing bell,		00		
William A. Moore, ringing bell .		00		
J. T. Thomason, ringing bell .		00		
F. B. Sisson, ringing bell	6	00		
J. H. Boit, ringing bell	3	00		
C. A. Worth, ringing bell	3	00		
Herbert F. Bent, warden, Ward 1,		50		
John C. Potter, warden, Ward 1.		00		
Geo. E. Bridges, warden, Ward 2.	7	50		
F. C. Sheridan, warden, Ward 3.	3	50		
F. H. Peck, warden, Ward 3 .	2	00		
H. C. Wood, warden, Ward 3 .	2	00		
Bernard Early, warden, Ward 4.	11	50		
Albert J. Grover, warden, Ward 5,	7	50		
S. M. Jackson, warden, Ward 6 .	7	50		
J. Edwin Warner, warden, Ward 7,	7	50		
Charles F. Rand, clerk, Ward 1 .	5	50		
F. M. Trowbridge, clerk, Ward 1,	2	00		
W. S. Higgins, clerk, Ward 2 .	7	50		
Richard A. Carroll, clerk, Ward 3,	7	50		
H. H. Mather, clerk, Ward 4	9	50		
Lewis P. Everett, clerk, Ward 5.	4	00		
William E. Clark, clerk, Ward 5.	3	50		
Lewis E. Coffin, clerk, Ward 6 .	7	50		
Charles W. Bassett, clerk, Ward 7,	7	50		
Dexter Whipple, inspector, Ward 1,	7	50		
Edw. L. Lemon, inspector, Ward 1,	7	50		
Geo. Lane, 2d, inspector, Ward 1.	5	50		
Chas. F. Rand, inspector, Ward 1,	2	00		
Amounts carried forward .	\$19,831	94	\$18,000	00

Amounts brought forward .	\$19,831		\$18,000	00
J. D. Billings, inspector, Ward 2.		50		
L. H. Cranitch, inspector, Ward 2,		50		
H. P. Dearborn, inspector, Ward 2,		50		
Chas. F. Tuttle, inspector, Ward 3,		50		
H. C. Wood, inspector, Ward 3.		50		
H. P. Barber, inspector, Ward 3.		50		
S. N. Waters, inspector, Ward 3.	2	00		
F. C. Sheridan, inspector, Ward 3,	2	00		
George W. Chamberlain, inspector,				
Ward 4	9	50		
G. Lyman Snow, inspector, Ward 4,	5	50		
E. E. Moody, inspector, Ward 4.	5	50		
W. P. Holden, inspector, Ward 4,	4	00		
W. F. Soule, inspector, Ward 4 .	4	00		
W. B. Atherton, inspector, Ward 4,	2	00		
John W. Howe, inspector, Ward 5,	7	50		
Edward M. Billings, inspector,	1			
Ward 5	5	50		
W. T. Logan, inspector, Ward 5,	4	00		
H. H. Easterbrook, inspector,				
Ward 5	2	00		
S. C. Spaulding, inspector, Ward 6,	7	50		
Geo. R. Hovey, inspector, Ward 6,	7	50		
R. R. Bishop, jun., inspector,	-			
Ward 6	5	50		
E. H. Mason, inspector, Ward 6.	2	00		
William F. Woodman, inspector,				
Ward 6	2	00		
E. B. Hitchcock, inspector, Ward 7,	7	50		
A. Byfield, inspector, Ward 7 .	7	50		
F. A. Wetherbee, insp'tor, Ward 7,	4	00		
H. N. Hyde, inspector, Ward 7.	3	50		
J I I ,				
Total, as per item No. 30 of ex	penses	•	19,973	44
Balance overdrawn, transferred into	o treasur	у .	\$1,973	44

Newton Free Library.

Appropriation	•		. \$8,500	00
Hannah P. James, services, libra-				
rian	\$1,000	32		
Elizabeth P. Thurston, services,				
assistant librarian	600	00	•	
Etta P. Cleaveland, services, assist-				
ant librarian	400	00		
Louise J. Smallwood, services, as-				
sistant librarian	400	00		
Millie E. Michaels, services, assist-				
ant librarian ·	400	00		
James J. Tower, services, janitor.	800	00		
O. A. Chick, services, janitor .	11	62		
W. B. Clark & Carruth, books .	611	62		
J. S. Farlow, draft for English				
books	310	38		
A. Williams & Co., books	259	81		
N. J. Bartlett & Co., books	251	48		
Cupples, Upham, & Co., books .	246	81		
Little, Brown, & Co., books	141			
H. C. Nash, books	27	00		
W. H. Thompson & Co., books .		00		
Lee & Shepard, books		00		
Lockwood, Brooks, & Co., books.		75		
Russell & Henderson, books		00		
Estes & Lauriat, books		50		
S. S. Ryder, books		50		
Rand, Avery, & Co., library bul-	_			
letin	266	50		
H. D. Noyes & Co., subscription .	171			
F. Leypoldt, subscription		00		
The Tribune Co., subscription .	18			
A. S. Weed, subscription		50		
Nickelson & Co., subscription .		00		
Tribution & Co., Subscription				
Amounts carried forward .	\$6,005	67	\$8,500	00

Amounts brought forward .	\$6,005	37	\$8,500	00
"Boston Daily Advertiser," sub-				
scription	12	00		
Commercial Gazette Company,				
subscription	10	50		
The "Nation," subscription	9	00		
Post Publishing Co., subscription.	9	00		
G. W. Armstrong, subscription .	8	25		
"New York Herald," subscription.	8	00		
The "World," subscription	7	7 0		
The "Springfield Republican," sub-				
scription	7	00		
The "Sun," subscription	6	50		
Gazette Printing Co., subscription,	6	00		
Dodd, Mead, & Co., subscription.	6	00		
Globe Newspaper Company, sub-				
scription	6	00		
Journal Newspaper Company, sub-				
scription	6	00		
R. M. Pulsifer & Co., subscription,	6	00		
H. G. Parker, subscription	3	20		
The "Newton Graphic," subscrip-				
tion	2	00		
Neil McGinnis, expressage of				
books	900	00		
N. & W. Gaslight Co., gas	454	50		
Albert Brackett, coal	241	65		
J. H. H. McNamee, binding books,	219	16		
J. G. Roberts, binding books .	32	95		
J. Goldthwait & Co., carpet, etc.,	53	19		
Suburban Telephone Company, use				
of instruments, etc	36	10		
Howard Brothers, ice	30	00		
George H. Pratt, printing	15	50		
City of Newton, use of water .	14	51		
		_		
Amounts carried forward .	\$8,116	38	\$8,500	00

Amounts brought forward . \$8,116 38	\$8,500	00
H. C. Dimond, stamp 10 00		
B. F. Bacon, for watering streets . 5 00		
Library Bureau, supplies 60 17		
Thayer & Stiles, supplies 26 85		
G. W. Lane, supplies 24 50		
J. Q. Bradish, supplies 10 80		
Gilman Brothers, supplies 7 50		
Smith & Byram, supplies 6 50		
C. H. Stone & Co., supplies 5 20		
A. J. Wilkinson & Co., supplies . 1 50		
W. C. Gaudelet, agency 50 00		
B. Billings, agency 40 00		
J. J. Peck, agency 30 00		
J. W. Davis & Co., agency 25 00		
E. E. Moody, agency 16 00		
L. H. L. Davis, agency 15 33		
A. E. Brickett, agency 14 66		
C. W. Kinder, agency 10 00		
R. O. Evans, material and labor . 12 85		
J. O Evans & Son, material and		
labor 4 85		
H. F. Wellington, material and		
labor 4 00		
Edward Pike, material and labor . 2 90		
Total, as per item No. 31 of expenses .	8,499	99
	-	
Balance unexpended, transferred into treasury,	\$	01
Nonantum Schoolhouse, Special Appropria	tion	
		00
Henry F. Ross, am't paid on acc't of contract, George F. Meacham, services as architect.	,	
John A. Kenrick, treasurer, amount paid on	400	00
account of grading, etc	700	10
account or grading, coc	799	18
Amount carried forward	\$11,699	18

Amount brought forward	\$11,6	399 18
Timothy Stuart, labor, men, and	teams .	199 63
Water department, use of water		33 14
George H. Pratt, advertising		7 75
Journal Newspaper Company, ac	vertising .	6 00
R. M. Pulsifer & Co., advertising		6 00
Transcript Publishing Company,		4 75
The "Newton Graphic".		3 00
•		
Total, as per item No. 32 of	expenses . \$11,9	959 45
Police Depa	tment.	
Appropriation		700 00
Appropriation	· · · · · · · · · · · · ·	100 00
REGULAR POLIC	c-officers.	
Revilo L. Hinds, city marshal	. \$721 18	
Charles F. Richardson, acting ci	у	
marshal	. 39 80	
Daniel M. Hammond, city marsh	l, 479 45	
Charles F. Richardson, sergeant	\mathbf{f}	
police	. 1,000 00	
N. F. Bosworth, mounted patro	l -	
man	. 856 25	
James D. Henthorn, patrolman	. 872 50	
William C. Emerson, patrolman	. 865 00	
George E. F. Baker, patrolman	. 847 50	
Charles O. Davis, patrolman.	. 865 00	
Charles E. Davis, patrolman.	. 897 50	
John Ryan, patrolman	. 897 50	
Edson C. Holmes, patrolman	. 890 00	
W. G. Bosworth, patrolman.	. 765 44	
Robert S. Harrison, patrolman	. 842 50	
John Purcill, patrolman .	. 875 00	
Rufus H. Moulton, patrolman	. 795 00	
Amounts carried forward	. \$12,509 62 \$17,7	700 00

Amounts brought forward Charles P. Huestis, patrolman Frank B. Fletcher, patrolman	\$12,509 \$85 \$60	00	\$17,700 00
	\$14,254	62	
SPECIAL POLICE-(FFICERS		
John W. Conroy, jun	\$186	25	
Martin C. Laffie	183		
A. M. Fuller		50	
B. H. Huestis	87	50	
F. E. Hinds	76	25	
T. F. O'Shaughnessy	15	00	
	\$14,890	87	
TMOUD PARTY A. F. YAVE			
W S Ware one har have			
W. S. Ware, one bay horse . R. L. Hinds, board and use of horse,	\$300		
N. F. Bosworth, board of horse, and	172	85	
use of team	350	30	
S. F. Cate, board of horse, and use	000	90	
of teams	163	62	
S. L. Pratt, use of teams	169	75	
J. Frank Makee, use of teams .	50	00	
William Weir, use of teams	33	50	
Nonantum Stables, use of teams .	33	00	
S. G. Williams, use of teams .	10	00	
John T. Hill, use of teams		00	
S. F. Hatchard, use of teams .		00	
W. H. Mague, use of teams.	2	00	
John Purcill, conveyance of prisoners		40	
C. O. Davis, conveyance of pris-	114	42	
oners .	0	00	
	9	00	
Amounts carried forward .	\$16,309	31	\$17,700 00

Amounts brought forward .	\$16,309	31	\$17,700	00
R. S. Harrison, conveyance of pris-				
oners	3	00		
P. A. McVicar, buggy, sleigh, etc.,	186	15		
N. & W. Gaslight Co., gas	133	50		
Albert Brackett, coal	63	70		
Water department, use of water .	55	00		
J. R. McLaughlin, care of sick				
horses	35	00		
M. S. Hodgson, harness, etc	81	30		
B. F. Barlow, blacksmithing.	31	10	•	
J. C. Farrar, blacksmithing	19	13		
Andrew Peters, blacksmithing .	9	35		
John McDonald, blacksmithing .	4	39		
Mary W. Brownell, meals for pris-				
oners	45	50		
Charles P. Huestis, meals for pris-				
oners	21	00		
George W. Lamson, meals for pris-				
oners	8	90		
Mrs. F. Martin, meals for prisoners,	6	25		
F. B. Fletcher, meals for prisoners,	5	25		
C. H. Jenison, expressage	13	75		
D. M. Hammond, sundry cash ex-				
penses	15	58		
E. C. Holmes, sundry cash ex-				
penses	18	40		
John Ryan, sundry cash expenses,	3	00		
Rockwell & Churchill, printing .	12	25		
Transcript Publishing Company,				
printing	11	41		
Benjamin Perkins, cleaning vault,	8	00		
Jerry Lehan, clipping horse	3	00		
Sabin & Page, supplies	15	75		
C. A. Twichell & Co., supplies .	10	00		
4	617.100		———	
Amounts carried forward .	\$17,128	97	\$17,700	00

$Amounts\ brought\ forward$. \$	17,128	97	\$17,700	00
H. A. Winship, supplies .		7	00		
Peabody & Whitney, supplies	•		25		
Hill & Langtry, supplies .	•	5	75		
R. Arnold, supplies	•	5	50		
Milo Lucas, supplies		4	70		
M. G. Crane, supplies		4	00		
G. W. Ulmer, supplies		4	00		
Baker & Humphrey, supplies		3	75		
C. S. Brown & Co., supplies.		3	7 5		
S. O. Aborn, supplies		2	00		
Sundry small bills	•	23	90	4	
Total, as per item No. 33 of	expe	nses		\$17,199	57
	-				
Balance unexpended, transferred	into	treasu	ry,	\$500	43
•			•		
Poor out of Al	msho	1160			
		use.			
Appropriation	•	•	•	. \$7,500	00
Appropriation	•	•	•	. \$7,500	00
Nathan Mosman, services as cit	ty	•	•	. \$7,500	00
~~ ~	ty		. 00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers	ty of	\$700	. 00	. \$7,500	00
Nathan Mosman, services as ciralmoner, and clerk of board overseers Charles F. Rand, services, oversee	ty of	\$700		. \$7,500	00
Nathan Mosman, services as cital almoner, and clerk of board overseers Charles F. Rand, services, oversee Ward 1	ty of			. \$7,500	00
Nathan Mosman, services as cital almoner, and clerk of board overseers Charles F. Rand, services, oversee Ward 1 O. B. Leavitt, services, oversee	ty of	\$700 50	00	. \$7,500	00
Nathan Mosman, services as cital almoner, and clerk of board overseers	ty of	\$700	00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers Charles F. Rand, services, oversee Ward 1	ty of	\$700 50 50	00	. \$7,500	00
Nathan Mosman, services as ciralmoner, and clerk of board overseers Charles F. Rand, services, oversee Ward 1	ty of . r, . r, .	\$700 50	00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers Charles F. Rand, services, oversee Ward 1	ty of . r, . r, .	\$700 50 50 50	00 00 00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers	. ty of	\$700 50 50	00 00 00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers	. ty of	\$700 50 50 50 50	00 00 00 00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers	ty of	\$700 50 50 50	00 00 00 00	. \$7,500	00
Nathan Mosman, services as cital almoner, and clerk of board overseers	ty of	\$700 50 50 50 50 50	00 00 00 00 00	. \$7,500	00
Nathan Mosman, services as ciral almoner, and clerk of board overseers	ty of	\$700 50 50 50 50	00 00 00 00 00	. \$7,500	00

Amounts brought forward .	\$1,000	00	\$7,500	00
John Warner, services, overseer,				
Ward 7	50	00		
Nathan Mosman, amount paid to		• •		
sundry persons	445	56		
Worcester Lunatic-Hospital, care	1 077	71		
of sundry persons Northampton Lunatic-Hospital,	1,677	14		
care of sundry persons	179	26		
Asylum for the Chronic Insane,	110	90		
care of sundry persons	279	55		
Commonwealth of Massachusetts,	-,,			
care of sundry persons	233	07		
City of Boston, partial support of				
poor	194	87		
City of Malden, partial support of				
poor	132	65		
City of Lowell, partial support of				
poor	48	00		
City of Cambridge, partial support	0.4	۳۵.		
of poor	24	53		
City of Somerville, partial support of poor	10	85		
Town of Athol, partial support of	. 12	00		
poor	3	00		
Dr. F. D. Lord, medical attendance,		90		
Dr. W. H. Hildreth, medical attend-	01			
ance · · · ·	31	4 0		
Dr. F. W. Webber, medical attend-				
ance	20	00		
Dr. H. B. Stoddard, medical attend-				
ance · · · ·	17	00		
Drs. O. E. and W. O. Hunt, medi-		4.0		
cal attendance	12	40		
Dr. James Utley, medical attend-	10	00		
ance · · · ·	12	00		
Amounts carried forward .	\$4,465	88	\$7,500	00

Amounts brought forward .	\$4,465	88	\$7,500 00
Dr. H. P. Bellows, medical attendance	10	00	
Dr. E. P. Scales, medical attend-	20		
ance	9	00	
Dr. F. L. Thayer, medical attend-			
ance	8	40	
Dr. F. E. Crockett, medical attend-	7	00	
ance	•	00	
tendance	5	00	
Dr. H. M. Field, medical attend-			
ance	5	00	
Dr. J. R. Deane, medical attend-			
ance	3	00	
Dr. J. H. Hazeltine, medical at-			
tendance	3	00	
Dr. Albert Nott, medical attend-	ຄ	90	
ance		20 35	
E. J. Williams, prescriptionsC. Sargent Bird, prescriptions		25	
C. F. Rogers, prescriptions		25	
J. H. Woolrich, prescriptions .		20	
Aug. Williams, prescriptions .		63	
B. Billings, prescriptions	5	00	
Arthur Hudson, prescriptions .	3	85	
A. Brush, prescriptions	2	90	
G. H. Ingraham, prescriptions .	2	15	
Mrs. C. G. Tinkham, services as			
nurse	128		
Kate McCloskey, services as nurse,	15	00	
Margaret Freeman, services as	40	00	
nurse		00	
Katie McLeod, services as nurse. W. H. Mague, funeral-expenses.		00	
II. Mague, Tuneral-expenses			
Amounts carried forward .	\$4,814	56	\$7,500 00

Amounts brought forward .	\$4,814	56	\$7,500 00
James McGourty, funeral-expenses,		00	·
G. Lewis, funeral-expenses	15	00	
B. F. Hutchins, funeral-expenses.	13	50	
G. H. Gregg, funeral-expenses .	8	00	
Newton Cemetery Corporation, in-			
terments	22	00	
Roxbury Home, board of Miss			
Crawley	90	00	
C. W. Thompson, board of B. Far-			
ren	15	00	
Obed Porter, board of Mary Porter,	6	50	
Catherine Collins, house-rent for			
John Jeffers	52	00	
Mary Welch, house-rent for Morris			
Gerry	15	00	
Nonantum Stables, use of teams .	10	00	
George W. Bush, use of teams .	6	00	
S. F. Cate, use of teams	5	00	
J. E. Cahill, use of teams	5	00	•
S. F. Hatchard, use of teams .	5	00	
W. H. Mague, use of teams	2	00	
W. O. Knapp & Co., groceries .	370	96	
C. Strout & Sons, groceries	235	85	
H. E. Woodbury, groceries	176	29	
G. Wadleigh, groceries	130	45	
G. H. Adams, groceries	125	00	
J. B. Murphy, groceries	115	85	
H. A. Sherman, groceries	107	00	
E. Vickers, groceries	83	05	
W. P. Holden, groceries	70	41	
I. R. Stevens, groceries	56	44	
J. W. Davis & Co., groceries .	52	00	
A. A. Savage, groceries	44		
W. F. Shattuck, groceries	40	97	
$Amounts\ carried\ forward$.	\$6,740	08	\$7,500 00

A , 7 7, C 7	@C 740	00	ΦE 500 00
Amounts brought forward .	\$6,740		\$7,500 00
C. C. Cook, groceries		97	
H. B. Coffin, groceries		35	
F. S. Crockett, groceries		87	
H. W. Fanning & Son, groceries.		56	
B. B. Vassell, groceries		00	
A. Whitney, groceries		70	
Mann & Eaton, groceries		00	
Fletcher & Towne, groceries.	б	00	
Fulton, Bartlett, & Blaine, grocer-	_	00	
ies		00	
T. R. Frost, groceries		95	
G. P. Atkins, groceries		00	
Albert Brackett, fuel	269		
Waters & Inman, fuel	174		
Trowbridge & Hill, fuel	165		
J. W. Pearson, fuel	134		
C. F. Eddy & Co., fuel		24	
Almshouse department, fuel		00	
T. W. Nickelson, fuel		00	
Daniel Warren, fuel		87	
Hills & Bullens, fuel	19	55	
E. C. Holmes, conveyance of sun-			
dry persons	35	23	
C. O. Davis, conveyance of sundry			
persons	3	46	
N. F. Bosworth, conveyance of			
sundry persons	2	00	
John Purcill, conveyance of sun-			
dry persons	2	00	
H. C. Hoyt, sundry cash payments,	15	00	
C. H. Hurd, expressage	7	00	
O. B. Leavitt, rent of store	3	00	
O. F. Lucas, supplies	9	10	
E. E. Moody, supplies	3	00	
Amounts carried forward .	\$8,002	38	\$7,500 00

M. Mahoney, supplies Scamman & Cook, supplies	2 38 2 50 2 42 2 34 6 50	\$7,500	
Balance overdrawn, transferred into treasu	ıry	. \$516	14
Public Property.			
First Baptist Society, use of chapel,	0 00	\$15,000	00
for school in Thompsonville, for 1883	0 00		
· · · · · · · · · · · · · · · · · · ·	5 00		
	3 76		
	3 75		
-	5 75		
	9 00		
hall 120 L. B. Gay, premium on insurance,	0 00		
· -	7 50		
	0 00		
Amounts carried forward . \$1,67	4 76	\$15,000	00

Amounts brought forward .	\$1,674	76	\$15,000	00
I. W. Hastings, services as assist-				
ant city engineer	45	00		
Joel Goldthwait & Co., carpet .	61	40		
American Tube Co., brass tubes .	38	61		
N. & W. Gaslight Co., gas	43	25		
W. P. Wentworth, services as ar-				
chitect	30			
G. F. Frost, brick	25	30		
Simpson Brothers, concreting .	39	39		
Boston and Albany R.R., freight .	27	43		
N. Y. and N. E. R.R. freight .	9	60		
Water department, use of water.		15		
Waldo Brothers, cement		80		
Gilkey & Stone, lumber		28		
J. S. Hobbs & Co., lime	12	60		
Waters & Inman, lime		90		
National Rubber Co., hose	7	85		
Rockwell & Moseley, powder and				
fuse	8	00		
American Steam Gauge Co.,				
gauge		10		
F. E. Hamblin, sand, etc		45		
A. F. Noyes, for expressage		10		
F. Jones Express, expressage .		30		
Bragdon & Son, expressage		50		
Harris Express, expressage		50		
T. Fitzgerald, labor		00		
B. Bryson, labor		50		
Mrs. D. Mahoney, cleaning carpets,		50		
John A. Gay, material and labor.	2,265	50		
Henry H. Hunt, material and				
labor	1,986	92		
Alfred Hopkins, material and				
labor	1,695	32		
	00107		0.4.5.	
Amounts carried forward .	\$8,103	01	\$15,000	00

Amounts brought forward .	\$8,103	01	\$15,000	00
Higgins & Nickerson, material and			·	
labor	1,486	47		
R. J. Morrisey, material and labor,	1,113	22		
W. E. Scribner, material and labor,	428	88		
William Bemis, material and labor,	367	20		
Isaac Smith, material and labor .	351	62		
J. P. Keating, material and labor.	318	42		
T. J. Hartnett, material and labor,	258	00		
A. W. Snow, material and labor .	250	81		
C. C. Pottle, material and labor .	244	77		
W. B. Saddler, material and labor,	224	75		
F. H. Humphrey, material and				
labor	221	25		
O. B. Leavitt, material and labor.	186	60		
Cranitch & Horrigan, material and				
labor	174	75		
John Foster & John Marden, mate-				
rial and labor	150	00		
Samuel D. Garey, material and				
labor	138	86		
Davis & Farnum Manufacturing				
Co., material and labor	12 2	48		
H. C. Lindley, material and labor.	79	94		
W. A. Fogwell, material and labor,	70	00		
Henry McLean, material and labor,	58	00		
Edward Pike, material and labor.	51	29		
Dennis O'Driscoll, material and				
labor	47	75		
A. P. Putney, material and labor.	47	25		
J. S. Sumner, material and labor .	38	99		
H. F. Wellington, material and				
labor	38	26		
S. G. Steres, material and labor .	34	02		
Moses Pond & Co., material and				
labor	30	00		
Amounts carried forward .	\$14,636	59	\$15,000	00

Amounts brought forward .	\$14,636	59	\$15,000	00
J. L. Randall, material and labor.		65	#10,0 00	
W. P. Leavitt & Son, material and				
labor	25	34		
Gannon Brothers, material and				
labor	22	50		
D. H. McWain, material and labor,	20	00		
John Foster, material and labor .	17	75		
C. G. Fletcher, material and labor,	16	25		
Milo Lucas, material and labor .	1 6	13		
C. S. Phillips, material and labor.	13	63		
R. M. Lucas, material and labor .	13	00		
James E. Deady, material and labor,	12	00		
Stearns & Co., material and labor,	8	75		
A. Hodgson, material and labor .	5	50		
Adam Beck, material and labor .	5	45		
W. A. Hackelton, material and				
labor		85		
R. O. Evans, material and labor .	3	18		
W. H. French & Co., material and				
labor		00	A	
Thomas Belger, blacksmithing .	45			
Charles A. Cole, blacksmithing .	36			
B. F. Barlow, blacksmithing .	30			
Scott & Maher, blacksmithing .	22			
J. C. Farrar, blacksmithing	11			
S. P. Whitman, ag't, rent of stable,	13			
Stephen F. Cate, use of teams .	11			
Van Wagoner & Williams, supplies,	45			
Blodgett Brothers & Co., supplies,	43	50		
Walworth Manufacturing Com-				
pany, supplies	38			
E. L. & F. S. Rollins, supplies .	29			
H. A. Sherman, supplies	25			
Oliver Whyte & Co., supplies .	13	84		

 $Amounts \ carried \ forward \qquad . \ \$15{,}220 \ 78 \quad \$15{,}000 \ 00$

$A mounts \ brought \ forward$.	\$15,220	78	\$15,000	00
G. W. & F. Smith Iron Company,				
supplies	12	65		
Chandler & Farquhar, supplies .	2	35		
Wadsworth Brothers & Howland,				
supplies	10	84		
M. C. Higgins, supplies	8	75		
W. O. Knapp & Co., supplies .	6	00		
C. M. Clapp & Co., supplies	. 5	50		
H. L. Fearing & Co., supplies .	4	65		
Turner & Knapp, supplies	3	20		
Nichols, Bellamy, & Co., supplies,	2	40		
J. E. Trowbridge, supplies	2	00		
Sundry small bills	14	11		
· ·				
Total, as per item No. 35 of e	expenses	•	15,293	23
Balance overdrawn, transferred int	to treasury	7.	\$293	23
Read Fun	đ.			
Read Fun Paid to the Newton Cemetery Con		by		
Paid to the Newton Cemetery Con		_	\$300	00
Paid to the Newton Cemetery Con	rporation,	•	\$300	00
Paid to the Newton Cemetery Con order of City Council .	rporation,	•	\$300 3 9,700	
Paid to the Newton Cemetery Conorder of City Council. Paid to the trustees of the Read Fu	rporation, und, by or	•		00
Paid to the Newton Cemetery Conorder of City Council. Paid to the trustees of the Read For of City Council. Total, as per item No. 36 of e	rporation, und, by ore	•	39,700	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Formation of City Council Total, as per item No. 36 of e	rporation, und, by ore	•	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Fund of City Council Total, as per item No. 36 of example of Appropriation	rporation, und, by ore expenses	•	39,700	00
Paid to the Newton Cemetery Conorder of City Council. Paid to the trustees of the Read Fundamental Council. Total, as per item No. 36 of example Removal of Aspropriation	expenses Ashes. or,	•	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Fund of City Council Total, as per item No. 36 of experimental Removal of A Appropriation John A. Kenrick, treasurer, laborates, and teams, highway of the stress of the Removal of A possible stress.	expenses Ashes. or,	der	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Fund of City Council Total, as per item No. 36 of experiment and teams, highway of partment	expenses Ashes. or, de \$2,227	der	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Formation of City Council Total, as per item No. 36 of example Removal of A Appropriation	expenses Ashes. or, de- \$2,227	der	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Fund of City Council Total, as per item No. 36 of example of Appropriation	expenses Ashes. or, de- \$2,227 21 nd	der	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Formation of City Council Total, as per item No. 36 of example Removal of A Appropriation	expenses Ashes. or, de- \$2,227 21 nd	der	39,700 39,700 \$40,000	00
Paid to the Newton Cemetery Conorder of City Council Paid to the trustees of the Read Fund of City Council Total, as per item No. 36 of example of Appropriation	expenses Ashes. or, de- \$2,227 21 nd	der	39,700 39,700 \$40,000	00 00 00

Amounts brought forward J. R. McLaughlin, care of sick horse W. H. Mague, use of horse Total, as per item No. 37 of extended the side of the side o	4 cpenses	00 50	\$3,000 00 . 2,265 60 \$734 40
Salaries.			
Appropriation	200 91 787 44	00 00 00 00 00 00 00 00 00 00 00 00 50	\$14,500 00
O. F. Lucas, assistant assessor, Ward 3	40		
Amounts carried forward .			\$14,500 00

Amounts brought forward .	\$13,660	17	\$14,500	00
Rufus Moulton, assistant assessor,				
Ward 4	56	00		
S. N. Woodward, assistant assess-				
or, Ward 5	58	00		
George Warren, assistant assessor,				
Ward 6	78	00		
John Warner, assistant assessor,				
Ward 7	56	00		
Total, as per item No. 38 of ex	penses	•	13,908	17
Balance unexpended, transferred in	to treasu	ry,	\$591	83
Schools.				
GENERAL APPROPRIATION, EDUCA	ATIONAL	DEI	PARTMENT	
General appropriation for schools,	\$85,500	00		
Received from dog tax	1,075			
<u> </u>			\$86,575	26
EXPENDITURES IN				
John E. Kimball, superintendent.	\$2,700			
Isaac Hagar, sec'y school board .	300	00		
	\$3,000	00		
	·			
HIGH SCHOO	L			
Edward H. Cutler, head master .	2,800			
Ezra W. Sampson, master	2,000			
S. Warren Davis, assistant master,	1,518			
S. Alice Worcester, assistant .	1,000			
Caroline Spear, assistant	1,000			
M. Abby Smith, assistant	1,000	00		
Maybell P. Davis, assistant	968			
Evelyn Rich, assistant	918	75		
Amounts carried forward .	\$14,206	25	\$86,575	26

Amounts brought forward . \$14,206 25 \$86,575 26

SPECIAL TEACHERS.

of Bollie Thirding.		
Mrs. Emma F. Bowler, drawing		
and writing 500	00	
Adeline V. Pond, drawing and		
writing	00	
Jennie E. Ireson, calisthenics and		
elocution 500	00	
Timothy L. Roberts, music . 1,425		
M. Abby Smith, music 25	00	
Isaac H. Houghton, military drill. 390		
Ellen L. Bond, sewing 168	75	
Julia Grant, sewing 168	75	
MASON SCHOOL.		
Albert L. Harwood, master . 1,900	00	
	00	
_	00	
· ·	00	
Mary Tenney, assistant 600	00	
Susan C. Wood, assistant 225	00	
Lizzie S. Friend, assistant 495	00	
Myra A. Wilson, assistant 320	00	
Margaret Martin, assistant 600	00	
Ellen M. Cook, assistant 600	00	
Mary Jordan, assistant 375	00	
Jennie C. Harwood, assistant . 183	00	
Sarah E. Case, assistant 162	50	
0 ,	75	
Fannie A. Brackett, substitute		
teacher 4	50	

Mrs. E. C. Clark, substitute teacher, Clara A. Farwell, sub. teacher .

Amounts carried forward . \$25,110 00 \$86,575 26

2 25

2 25

Amounts brought forward . \$25,110	00 \$86,575	26
OAK HILL SCHOOL.		
C. Howard Wilson, principal . 750	00	
Miss Annie E. Bancroft, assistant, 150	00	
THOMPSONVILLE SCHOOL.		
Helen A. Davis, principal 750	00	
HYDE SCHOOL		
George A. Moore, master 1,537	50	
Charlotte E. Cameron, head assis't, 750	00	
Gertrude Blackmer, assistant . 518	75	
Mabel R. Wetherbee, assistant . 568	75	
Phebe E. Churchill, assistant . 600	00	
Mary E. Hyde, substitute teacher, 1	13	
Mary E. Chapin, substitute teacher, . 1	13	
PROSPECT SCHOOL.		
Walter C. Frost, master 1,837	50	
Martha L. Perkins, head assistant, 750	00	
Ella F. Crooker, assistant 600	00	
Kate P. Richardson, assistant . 375		
Lucy A. Hayward, assistant . 225	00	
Lizzie W. Everett, assistant . 600		
Mary P. Fanning, assistant 600	00	
Addie A. Scott, substitute teacher, 4	50	
Jennie Freeman, sub. teacher . 2	25	
HAMILTON SCHOOL.		
Luther E. Leland, master 1,900	00	
Anna G. Swain, head assistant . 750		
Ellen M. Leland, assistant 600	00	
Sarah H. Jumper, assistant 600	00	
Amounts carried forward . \$39,581	51 \$86,575	26

Amounts brought forward	•	\$39,581	51	\$86,575	26
WILLIAMS S	SCE	.100L			
George L. Chandler, master .		1,837	50		
Elizabeth A. Pinnock, head assis	't.	750			
Louise N. Burbank, assistant	•	568			
Laura Saltonstall, assistant .		600			
Dora A. Allen, assistant .		187			
Hattie A. Ingraham, assistant		518			
Ann B. Smith, assistant .		600			
PIERCE SC	но	OL.			
Levi F. Warren, master .		1,900	00		
Sarah A. Warren, head assistant	·	750			
M. Alice Warren, assistant.	Ĭ	518			
Eliza E. Simmons, assistant.	Ì	600			
Helen S. Tolman, assistant .		187			
DAVIS SCI	HO.	οτ.,			
		750	00		
Ella G. Bates, principal . A. Calista Hale, assistant .	•	312			
Calista S. Wood, assistant .	•	225			
Susan E. Copeland, assistant	•	. 600			
Sarah E. Foster, assistant .	•	600			
Jennie M. Daniels, assistant.	•	165			
Jennie II. Daniels, assistant .	•	100	00		
FRANKLIN S	сн	OOL.			
Elizabeth F. Paddock, principal		750	00		
M. Isabel Jenkins, assistant.	•	600	00		
Emma J. Thompson, assistant		600	00		
Margaret A. Mague, assistant	٠	518	75		
ADAMS SC	но	OI.			
William A. Spinney, master.		1,837	50		
V. E. Hapgood, head assistant	•	750			
1. 11. 11apgood, nead assistant	•				
Amounts carried forward	•	\$56,309	01	\$86,575	26

Amounta hangalit famuand		Φ5C 200	01	496 575	26
Amounts brought forward Abbie J. Fiske, assistant .	•	\$56,309 518		\$86,575	20
Estella M. Haynes, assistant.	•	600			
Belle Blodgett, assistant .	•	200			
Lydia A. Brierley, assistant .	•	135			
Angelia A. Smith, assistant.	•	175			
Lottie E. Stearns, sub. teacher	•		25		
·	•		88		
Cora S. Fiske, substitute teacher	•	1	00		
CLAFLIN S	CH	OOL.			
Herbert F. Sylvester, principal		1,018	75		
Lilla T. Wilder, assistant .		600			
Mary R. Ware, assistant .		600	00	~	
Lizzie Jones, assistant		600	00		
Emmeline F. Tucker, assistant		375	00		
Lydia A. Brierley, assistant.		225	00		
· · · · · · · · · · · · · · · · · · ·					
JACKSON S	сн	OOL.			
George G. Edwards, principal		1,537	50		
H. Augusta Millard, assistant		600	00		
Gertrude G. Tewksbury, assistan	ıt,	518	75		
Louise W. Clelland, assistant		600	00		
Abby J. Clark, assistant .		600	00		
Eliza J. Lovely, assistant .		568	75		
Lottie E. Stearns, assistant.		279	75		
Gertrude H. Smead, assistant		175	00		
M. J. Morehouse, sub. teacher		4	50		
Annie F. Merrill, sub. teacher		2	25		
Nellie Tewksbury, sub. teacher		2	25		
Cora S. Fiske, substitute teacher		1	98		
BIGELOW S	СН	OOL.			
H. Chapin Sawin, master .		1,900	00		
Eudora Sanford, head assistant		243	75		
Amounts carried forward		\$68,395	12	\$86,575	26

Amounts brought forward Martha M. Bakeman, head assis't. Annie E. George, assistant S. Louise Shelton, assistant Augusta A. Lentell, assistant Mary H. Dwyer, assistant .	\$68,395 461 405 600 600 504	25 00 00 00 00	\$86,575	26
Alice E. Locke, assistant Elizabeth Ayles, assistant	375 187			
Fannie A. Brackett, assistant	162			
Emily J. Dyer, assistant		00		
Clara A. Farwell, assistant	37			
UNDERWOOD SC	HOOL.			
Emma M. Cleary, principal	750	00		
Annie L. Wood, assistant	600	00		
Lizzie C. Clark, assistant	568	75		
Josephine W. Littlefield, assistant,	600	00		
Nellie B. Littlefield, assistant .	90	00		
Lottie E. Stearns, sub. teacher .	2	82		
Mary A. Wellington, sub. teacher,	2	07		
LINCOLN SCHO	OOL			
Allotta C. Wilmarth, principal .	600	00		
Nellie B. Rand, assistant	152			
Jennie L. Butler, sub. teacher		88		
Sommo Di Battor, Sast tottorior	_			
JANITORS.				
John Cummings, High and Claffin,	650	00		
Thomas Woodman, Mason		00		
John Mohr, Thompsonville	96	00		
Willie E. Wiswall, Oak Hill.	96	00		
Enoch Houston, Hyde	240	00		
Joshua L. Randall, Prospect	360	00		
James H. Boit, Hamilton	216	00		
Amounts carried forward .	\$77,373	64	\$86,575	26

Amounts brought forward .	\$77,373	64	\$86,575	26
Martin Walsh, Williams	275	00		
Thomas Johnson, Pierce and Pavis,	425	00		
Bridget Cox, Franklin	200	00		
Mary Delaney, Adams	240	00		
Mary Walsh, Jackson	240	00		
John McCamman, Bigelow, Under-				
wood, and Lincoln	626	00		
John Dorney, Claffin	40	00		
FUEL.				
Albert Brackett, coal	4,601	14		
George Warren & Co., coal and				
wood	258	75		
C. F. Eddy & Co., coal and wood,	236	37		
T. W. Nickelson, coal and wood .	129	20		
J. W. Pearson, coal and wood .	22	30		
Almshouse department, wood .	189	00		
Total, as per item No. 39 of ex	penses	•	84,856	40
Total, as per item No. 39 of ex Balance unexpended, transferred in			\$4,856 \$1,718	
	to treas.			
Balance unexpended, transferred in School Incider Appropriation	to treas.			86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, sta-	to treas.	•	\$1,718	86
Balance unexpended, transferred in School Incider Appropriation	to treas. ntals. \$3,322	. 78	\$1,718	86
Balance unexpended, transferred in School Incider Appropriation	to treas. tals. \$3,322 222		\$1,718	86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books .	to treas. \$3,322 222 74	. 78 12 50	\$1,718	86
Balance unexpended, transferred in School Incider Appropriation	to treas. tals. \$3,322 222	. 78 12 50	\$1,718	86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books . T. W. Gilson, books Ivison, Blakeman, Taylor, & Co.,	\$3,322 222 74	78 12 50 00	\$1,718	86
Balance unexpended, transferred in School Incident Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books . T. W. Gilson, books Ivison, Blakeman, Taylor, & Co., books	\$3,322 222 74 72	. 78 12 50 00 50	\$1,718	86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books . T. W. Gilson, books Ivison, Blakeman, Taylor, & Co., books Robert S. Davis & Co., books .	\$3,322 222 74 72 22 18		\$1,718	86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books . T. W. Gilson, books Ivison, Blakeman, Taylor, & Co., books Robert S. Davis & Co., books Henry C. Nash, books	\$3,322 222 74 72 22 18 6		\$1,718	86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books . T. W. Gilson, books Ivison, Blakeman, Taylor, & Co., books Robert S. Davis & Co., books Henry C. Nash, books Boston School Supply Co., maps .	\$3,322 222 74 72 22 18 6		\$1,718	86
Balance unexpended, transferred in School Incider Appropriation Knight, Adams, & Co., books, stationery, etc William Ware & Co., books Thompson, Brown, & Co., books . T. W. Gilson, books Ivison, Blakeman, Taylor, & Co., books Robert S. Davis & Co., books Henry C. Nash, books	\$3,322 222 74 72 22 18 6		\$1,718	86









Amounts brought forward .	\$3,765	71	\$10,000	00
J. D. F. Brooks, rebinding books .	52	05		
Henry McElwain, blackboards .	689	47		
Rand, Avery, & Co., printing re-				
ports, etc	324	00		
George H. Pratt, printing, etc	292	25		
Transcript Publishing Company,				
printing, etc	12	25		
The Newton Graphic, printing, etc.,	11	00		
George W. Lane, printing, etc	7	50		
Alfred Mudge & Son, printing, etc.,	6	50		
A. G. Whitcomb, school furniture,	714	92		
A. E. Lawrence, sundry cash ex-				
penses	38	84		
E. W. Sampson, sundry cash ex-				
penses	38	21		
Charles L. Bartlett, sundry cash				
expenses	25	00		
Isaac Hagar, sundry cash expenses,	21	79		
J. E. Kimball, sundry cash ex-				
penses	21	75		
W. C. Frost, sundry cash expenses,	10	16		
Water department, use of water .	443	00		
N. & W. Gaslight Company, gas .	35	75		
George E. Bridges, taking census				
of children from 5 to 15 .	60	00		
E. S. Ritchie & Sons, apparatus				
and repairs	112	40		
J. H. Daniels, diplomas for gradu-				
ating class	94	45		
James Claffy, cleaning vaults .	249	00		
S. C. Ayres, clocks and repairing.	63	00		
George W. Choate, repairs on				
clocks	47	50		
A. J. Macomber, repairs on clocks,	16	50		
Amounts carried forward .	\$7,153	00	\$10,000	00

Amounts brought forward .	\$7,153	00	\$10,000 00
A. Phipps, repairs on clocks	15	00	
G. H. Brown, tuning pianos	38	50	
J. D. Henthorn, services as truant			
officer	25	00	
C. O. Davis, services as truant offi-			
cer	25	00	
John Ryan, services as truant offi-			
cer	25	00	
John Purcill, services as truant			
officer	25	00	
C. P. Huestis, services as truant			
officer	25	00	
Charles H. Jenison, expressage .	30	85	
C. E. Perry, expressage		20	
A. M. Fuller, use of team		00	
J. T. Hill, use of team	9	00	
J. E. Dow, beating carpet	8	40	
J. Goldthwait & Co., making car-			
pet	6	72	
Higgins & Nickerson, material and			
labor	385	33	
James McGourty material and			
labor	197	82	
Milo Lucas, material and labor .	130	68	
O. B. Leavitt, material and labor,	124	22	
J. C. Farrar, material and labor .	118	65	
H. F. Wellington, material and			
labor	117	31	
Cranitch & Horrigan, material and			
labor	111		
O. F. Lucas, material and labor .		07	
J. L. Randall, material and labor.		94	
G. T. Weston, material and labor,		75	
S. J. Smith, material and labor .	40	00	
Amounts carried forward .	\$8,770	55	\$10,000 00

$A mounts\ brought\ forward$.	\$8,770	55	\$10,000	00
A. W. Snow, material and labor .		91		
W. F. Soule, material and labor .	39	50		
Isaac Smith, material and labor .	37	70		
C. S. Phillips, material and labor.	25	31		
R. O. Evans, material and labor .	25	25		
Allen Jordan, material and labor.	21	75		
W. J. Wilson, material and labor,	21	75		
Lewis A. Gammons, material and				
labor	21	45		
T. J. Hartnett, material and labor,	19	71		
W. B. Alexander, material and				
labor	19	15		
A. T. Ring, material and labor .	13	46		
G. M. D. Fernald, material and				
labor	13	17		
Edward Pike, material and labor.	12	80		
Murray & Farrell, material and				
labor	10	33		
Walworth Manufacturing Com-				
pany, material and labor .	7	15		
W. B. Sadler, material and labor.	7	00		
Alfred Hopkins, material and labor,	6	00		
J. L. Sears, material and labor .	3	60		
Eben C. Clark, material and labor,	3	45		
J. F. Franklin, material and labor,	3	00		
W. A. Roffe, material and labor .	2	25		
P. A. Murray, material and labor.	2	10		
Peabody & Whitney, supplies .	311	56		
Thayer & Stiles, supplies	42	15		
O. Lappen & Co., supplies	23	75		
J. E. Trowbridge, supplies	18	45		
American Soapstone Finish Com-				
pany, supplies	12	00		
C. W. Morehouse, supplies	9	70		
Amounts carried forward .	\$9,543	95	\$10,000	00

Amounts brought forward .	\$9,543	95	\$10,000	00
Isaac D. Allen & Co., supplies .		70		
Hektograh Manufacturing Com-				
pany, supplies	4	23		
Greenwood & Co., supplies	3	42		
W. D. Higgins, supplies	3	00		
Carter, Harris, & Hawley, supplies,	2	86		
E. E. Moody, supplies	2	55		
Auburndale Watch Co., supplies.	2	50		
W. O. Knapp & Co., supplies .	2	42		
G. Wadleigh, supplies	2	30		
Boynton & Marsh, supplies	2	24		
J. B. Murphy, supplies	2	00		
Boston Terra Cotta Co., supplies.	2	00		
Mrs. H. M. Quinby, supplies .	2	00		
C. H. Dolan, removing ashes .	26	26		
J. McGrath, removing ashes	4	00		
M. Conners, removing ashes	3	00		
J. H. Boit, removing ashes	2	50		
S. B. Maxwell, removing ashes .	2	50		
G. M. Cox, removing ashes	2	25		
Mary Tomy, cleaning schoolhouse,	14	70		
Mrs. Farrell, cleaning schoolhouse,	13	50		
Mrs. Cary, cleaning schoolhouse .	12	10		
Willie E. Wiswall, cleaning school-				
house	11	25		
Mrs. Dexter, cleaning schoolhouse,	10	00		
Mrs. Garey, cleaning schoolhouse.	9	30		
Mrs. Walsh, cleaning schoolhouse,	9	10		
Mrs. Hughes, cleaning schoolhouse,	8	40		
Mrs. Delaney, clean'g schoolhouse,	8	30		
W. Delaney, cleaning schoolhouse.	7	20		
Bridget Kinchella, cleaning school-				
house	6	60		
Mary Brooks, clean'g schoolhouse,	6	00		
		_		
Amounts carried forward .	\$9,737	13	\$10,000	00

Amounts brought forward . \$9,737	13 \$10,000 00
Mrs. McGrath, cleaning school-	20
house 6 (00
Mrs. Cummings, cleaning school- house 5 8	2/1
Mary Mead, cleaning schoolhouse, 5	
Mrs. Connor, cleaning schoolhouse, 4	
Rose Burke, cleaning schoolhouse, 3 (
Mrs. Liberty, cleaning schoolhouse, 3	
Mrs. Marshall, clean'g schoolhouse, 3	
Mrs. Burt, cleaning schoolhouse . 3 (
Mrs. Collins, cleaning schoolhouse, 3 (
Mrs. Mulloy, cleaning schoolhouse, 2	56
Mrs. Wallace, clean'g schoolhouse, 2 :	20
Sundry small bills 15	15
Total, as per item No. 40 of expenses	. 9,794 73
Balance unexpended, transferred into treasur	y, \$205 27
Sidewalks.	
Appropriation	. \$6,000 00
Additional appropriation, by order of Cit	· ·
Council	. 261 30
	\$6,261 30
John A. Kenrick, treasurer, paid	
for labor, highway department, \$3,270 &	53
Simpson Brothers, concreting . 2,692 4 C. H. & A. F. Ireland, material	43
and labor	19
M. W. Sands, brick 40 8	50
Total, as per item No. 41 of expenses	6,300 65
Balance overdrawn, transferred into treasury	. \$39 45

Sinking Fund, City Debt.		
Appropriation	\$20,800	00
as per item No. 42 of expenses	20,800	00
Sinking Fund, Water Bonds.		
Special appropriation	\$16,000	00
Amount paid commissioners of sinking fund,	10.000	0.0
as per item No. 43 of expenses	16,000	00
Street Light Department.		
Appropriation	\$20,000	00
Newton and Watertown Gaslight		
Co., gas and care of street-		
lamps \$13,228 50 Newton and Watertown Gaslight		
Co., iron posts, lanterns, and		
frames		
Newton and Watertown Gaslight		
Co., glass, repairs, etc 407 03		
Wheeler Reflector Company, light-		
ing and care of street-lamps . 1,850 34		
The Ritchie Street Lighting Co.,		
lighting and care of street-		
lamps 1,650 41 George A. Torrey, lighting and		
care of street-lamps 487 75		
W. J. Towne, material, care of		
lamp, etc 13 50		
Samuel Walker & Co., naphtha . 341 80		
Globe Gaslight Co., naphtha, and		
rent of fixtures		
Alta Manufacturing Co., iron posts, lanterns, etc 211 42		
141 42		
Amounts carried forward . \$18,808 13	\$20,000	00

Amounts brought forward . \$18,808 13 \$20,000 00 Nathaniel Tufts, lanterns)
Johnson & Keyes, expressage . 12 90 W. H. McIntosh, expressage . 5 50	
C. G. Tinkham, use of teams . 8 00	
Total, as per item No. 44 of expenses 19,996 9	4
	_
Balance unexpended, transferred into treasury . \$3 0	O
State Aid.	
Appropriation	0
Benjamin E. Sweetland \$102 00	
William Watson 72 00	
N. D. Tibbetts 54 00	
Thomas Dolan 48 00	
Ann Duvall 48 00	
M. Hagerty 48 00	
Bridget Madden 48 00	
$Amounts\ carried\ forward$. $$420\ 00$ $$1,300\ 0$	0

$Amounts\ brought\ forward$. $$420\ 00$	\$1,300	00
Eliza M. Jackson 48 00		
E. Burke 48 00		
Mary Duran 48 00		
Anna C. Boyd 48 00		
Sarah Fell 48 00		
Catherine McAleer 48 00		
Agnes Myers 48 00		
George Hutchinson 48 00		
Bridget A. Wright 48 00		
Margaret McGuire 24 00		
Total, as per item No. 45 of expenses .	876	00
Balance unexpended, transferred into treasury,	\$424	00
Taxes, 1883.—State.		
Amount assessed for State tax	\$34.195	00
Amount paid to state treasurer, as per item	\$24,135	UU
N 40 C	24,135	٥٥
No. 46 of expenses	24,100	UU
Taxes, 1883.—County.		
Amount assessed for county tax	\$15,150	75
Amount paid to county treasurer, as per item		
No. 47 of expenses	15,150	75
Taxes, 1883.—National Bank.		
Amounts paid to Commonwealth of Massachu-		
setts for non-residents of Newton, National		
Bank shares, as per item No. 48 of expenses,	\$1,080	13
Temporary Loans, 1883.		
June 30. Paid Commonwealth of		
Massachusetts \$45,000 00 Nov. 5. Paid Commonwealth of		
Massachusetts 55,000 00		
Amount carried forward . \$100,000 00		

Amount brought forward . \$100,000 00 Nov. 6. Paid Commonwealth of Massachusetts 25,000 00 Nov. 8. Paid National Bank of Redemption 100,000 00 Nov. 9. Paid Suffolk Savings Institution 40,000 00 Dec. 1. Paid Suffolk Savings Institution 50,000 00 Total, as per item No. 49 of expenses .	\$315,000	00
United States Street Lighting Company	y.	
Transferred to the city of Newton for non-ful- filment of contract by the United States Street Lighting Company, as per item No. 50 of expenses	\$500	00
ov or expenses	ΨΘΟΟ	00
Use of Hydrants.		
Appropriation	\$7,520	00
Total, as per item No. 51 of expenses .	7,520	00
Water Maintenance.		
Appropriation	\$13,500	00
Council	3,000	00
Albert S. Glover, services as regis-	\$16,500	00
trar \$1,800 00		
Albert S. Glover, sundry cash ex-		
penses 67 04		
H. N. Hyde, jun., services as superintendent 1,500 00		
Amounts carried forward . \$3,367 04	\$16,500	00

H. N. Hyde, jun., sundry cash expenses J. C. Whitney, services as insp'r,

Thomas Coughlan, services as en-

Amounts brought forward . \$3,367 04 \$16,500 00

29 86 724 93

Thomas Coughian, services as on-		
gineer	1,200	00
Pay-rolls of laborers	4,748	91
Hills & Bullens, coal	3,149	49
T. W. Nickelson, coal	77	06
Albert Brackett, coal	39	75
Daniel Sullivan, wood	165	78
T. W. Nickelson, teaming coal .	98	00
J. E. Cahill, teaming coal	25	30
J. E. Tolman, exchange on horse.	135	00
Trumbull & Cheney, material and		
labor	464	12
A. C. Richmond, material and		
labor	305	50
C. S. Phillips, material and labor.	105	00
Higgins & Nickerson, material and		
labor	$5\overline{5}$	68
Cranitch & Horrigan, material and		
labor	37	50
Pettee Machine Works, material		
and labor	8	71
M. S. Hodgson, material and labor,	3	57
John Harris, making coffer-dam .	167	00
Leonard & Ellis, oil	171	05
A. H. Davenport, office-furniture,	72	00
J. G. Gooch, lumber	52	10
George McQuesten & Co., lumber,	19	16
T. Albert Ward, care of reservoir,	50	00
Isburgh & Walker, sleigh	50	00
Hartford Steam Boiler Insurance		
Company, policy	45	00
Amounts carried forward .	\$15,367	51 \$16,500 00

Amounts brought forward .	\$15,367	51	\$16,500	00
Stewart, Anteliffe, & Co., rent of				
canvas	25	00		
Fred H. Barnes, services as assist-				
ant engineer	80	00		
I. W. Hasting, services as assistant				
engineer	45	00		
R. H. Richards, services at pump-				
ing station	45	00		
Lawrence Daniels, services	26	25		
S. B. Conlan, services	15	00		
Richard Adams, services	10	00		
H. B. Stoddard, Prof., services .		00		
Carl Russell, services	3	00		
Timothy Stuart, labor, men, and				
teams	23	63		
Gardner Chilson, stove	19	00		
J. O. Watson, manure	16	00		
G. E. Young, dory	15	00		
N. & W. Gaslight Company, gas .	11	75		
Sherburne & Co., waste	10	30		
Arthur Hudson, analysis of water,	5	00		
Eben Smith, frames	4	80		
Davis & Farnum Manufacturing				
Company, castings	4	00		
Transcript Publishing Company,				
printing	3	50		
C. H. Jenison, expressage	2	65		
B. F. Barlow, blacksmithing .	13	89		
Murray & Farrell, blacksmithing.	5	86		
E. Smead & Co., grain	64	20		
Lev Miles, hay	17	64		
Cyrus Conant, hay	9	11		
T. A. Ward, hay	3	29		
Stephen F. Cate, use of teams .	92	50		
Amounts carried forward .	\$15,948	88	\$16,500	00

Amounts brought forward .	\$15,948 88	\$16,500 00
D. Harrington & Son, use of teams,	16 00	
W. H. Mague, use of teams	13 25	
Nonantum Stables, use of teams .	12 50	
J. T. Hill, use of teams	8 75	
A. Harris, use of teams	2 00	
H. R. Worthington, supplies .	82 50	
Waldo Brothers, supplies	52 94	
H. & S. Chase, supplies	20 37	
Boynton & Fellows, supplies .	15 90	
H. W. Wellington, supplies	11 50	
B. Billings, supplies	10 21	
T. J. Hartnett, supplies	10 15	
Walworth Manufacturing Com-		
pany, supplies	9 16	
O. B. Leavitt, supplies	9 15	
G. Wadleigh, supplies	5 29	
G. H. Ingraham, supplies	4 00	
J. A. & W. Bird & Co., supplies .	3 75	
Atherton & Co., supplies	3 26	
Chapman Valve Co., supplies .	2 73	
Boston Machine Co., supplies .	2 63	
C. W. Morehouse, supplies	2 44	
Lustralis Manufacturing Company,		
supplies	2 00	
Sundry small bills	16 65	
Ť		
Total, as per item No. 52 of exp	enses .	. 16,266 01
Balance unexpended, transferred int	o trascury	. \$233 99
Balance unexpended, transferred in	o treasury	. Ψ200 00
Water-Meters and Ser	vice-Pipe.	
Appropriation		\$5,500 00
Pay-roll of laborers	\$1,767 15	
National Meter Co., meters, etc	1,542 57	
Amounts carried forward .	\$3,309 72	\$5,500 00

Amounts brought forward .	\$3 ,309	72	\$5,500	00
Union Water Meter Company, re-	245	00		
pairing meters, etc	240	UU		
H. R. Worthington, repairing meters, etc.	17	91		
•	1,087			
National Tube Works, pipe, etc	1,001	00		
Walworth Manufacturing Com-	47	51		
pany, pipe and supplies.	325			
J. C. Whitney, services as inspector,	155			
Ward & Curley, supplies		52		
Jenkins Brothers, supplies		52 52		
Atherton & Co., supplies		08		
Sabin & Page, supplies		85		
E. Smead & Co., grain		18		
Cyrus Conant, hay		56		
L. Miles, hay				
T. A. Ward, hay		58		
B. F. Barlow, blacksmithing.		34		
Murray & Farrell, blacksmithing.	8			
P. A. McVicar, blacksmithing .	3	00		
H. N. Hyde, jun., sundry cash ex-	10	0.5		
penses	19	35		
Chapman Valve Manufacturing		0.0		
Company, valves, etc		00		
Chadwick Lead Works		85		
Boston and Albany R.R., freight.	15			
S. F. Cate, use of teams		75		
D. Harrington & Son, use of teams,	5	00		
J. R. McLaughlin, care of sick	0	0.0		
horse		00		
T. J. Hartnett, material and labor,	12			
M. S. Hodgson, material and labor,		14		
A. W. Snow, material and labor .		90		
Sundry small bills	11	88		
Total, as per item No. 53 of exp	enses		5,498	65
				_
Balance unexpended, transferred into	treasur	у .	\$1	35

Water Construction.

Total expenditure to Dec. 31, 1882			\$911,189 65
Pay-roll of laborers	\$10,319		,
Warren Foundry and Machine Co.,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
iron pipe	9,786	19	
Davis & Farnum Manufacturing	,		
Company, castings, etc	1,963	10	
Boston Machine Co., hydrants, etc.,	1,201		
National Tube Works Company,	- ,		
pipe, etc	872	94	
R. M. Morse, jun., legal services .	725		
Peter Thacher, legal services .	313	95	
Chapman Valve Manufacturing			
Company, valves, etc	658	13	
Chadwick Lead Works, lead .	668	95	
Boston and Albany R.R., freight .	697	66	
N. Y. and N. E. Railroad, freight.	36	16	
City Iron Foundry and Chain			
Works, gate boxes	409	82	
The Coffin Valve Co., 3 screens .	310	00	
American Ash Felting Co., felting,	270	00	
M. W. Sands, brick	260	00	
George A. Goodyear, powder and			
fuse	251	78	
S. B. Everett & Son, pulsometer			
pump	173	00	
R. T. Rollins, resetting boilers .	310	00	
Higgins & Nickerson, material and			
labor	1,606	22	
A. B. Franklin, material and labor,	771	30	
Walworth Manufacturing Com-			
pany, material and labor .	601	86	
F. Low & Co., material and labor.	573	25	
Pettee Machine Works, material			
and labor	270	70	

Amounts carried forward . \$33,050 81 \$911,189 65

Amounts brought forward .	\$33,050	81	\$911,189	65
Henry Bellamy et al., material and labor	214	50		
William Bemis, material and labor,	186			
O. B. Leavitt, material and labor.		57		
Walker & Pratt Manufacturing	30	01		
Co., material and labor	83	03		
John Foster et al., material and				
labor	71	50		
H. A. Carson, material and labor.		55		
T. J. Hartnett, material and labor,	34	81		
W. A. Fogwell, material and labor,	13	13		
M. S. Hodgson, material and labor,	12	66		
John Keating, material and labor,	10	25		
Milo Lucas, material and labor .	3	88		
Arthur Muldoon, labor, men, and				
teams	403	00		
Timothy Stuart, labor, men, and				
teams	319			
C. H. Hale, labor, men, and teams,	117			
B. S. Grush, labor, men, and teams,	99	70		
Patrick Linnehan, labor, men, and				
teams		00		
A. L. Hale, labor, men, and teams,		50		
D. Harrington & Son, use of teams,	111			
S. F. Cate, use of teams		25		
Nonantum Stables, use of teams .		00		
C. G. Tinkham, use of teams .		00		
W. H. Mague, use of teams		00		
B. F. Barlow, blacksmithing.	118			
A. Danforth, agent, blacksmithing,		66 75		
J. C. Farrar, blacksmithing		87		
J. E. Keegan, blacksmithing. Thomas Belger, blacksmithing.		89		
D. J. Carroll, blacksmithing		65		
D. G. Carron, Diagnosimiting				

Amounts carried forward . \$35,446 96 \$911,189 65

Murray & Farrell, blacksmithing .

Amounts brought forward . \$35,446 96 \$911,189 65

25 20

Murray & Farren, blacksmithing.		20
C. A. Cole, blacksmithing	12	75
P. A. McVicar, blacksmithing .	11	80
E. Smead & Co., grain	163	04
Cyrus Conant, hay	27	28
Levi Miles, hay	25	24
T. A. Ward, hay	9	87
F. Jones, expressage	41	64
C. E. Perry, expressage	21	55
F. H. Hunting, expressage	10	25
G. Fuller & Son, lumber	43	67
J. G. Gooch, lumber	25	47
Fiske & Coleman, drain pipe .	33	40
American Fire Hose Manufactur-		
ing Company, hose	31	95
Thomas McKinley, inspection of		
pipe	30	00
J. O. Watson, manure	26	00
Gould Packing Company, packing,	23	76
Hockridge Brothers, steel	17	88
William Leonard for medical at-		
tendance	15	00
Waters & Inman, cement, etc	14	35
Rockwell & Moseley, powder .	10	50
Newton and Watertown Gaslight		
Company, coke	10	00
Simpson Brothers, concreting .	10	00
Speare, Gregory, & Co., oil		71
Jenkins Brothers, cotton waste .		60
Haskins & Montague, rent of can-		
vas	6	35
H. N. Hyde, jun., sundry cash ex-		
penses	4	56
C. F. Eddy & Co., cement	3	60
Amounts carried forward .	\$36,118	38 \$911,189 65
·		

Amounts brought forward .	\$36.118	38	\$911,189	65
Fulton Iron Foundry, supplies .		00	,	
J. R. McLaughlin, care of sick				
horse		00		
Waldo Brothers, supplies	373	90		
Ward & Curley, supplies	135	40		
H. M. Darling & Co., supplies .	84	73		
Parker & Gannett, supplies	72	57		
Dodge, Gilbert, & Co., supplies .	39	80		
Sewall & Day Cordage Company,				
supplies		71		
George Warren & Co., supplies .	22	10		
Boston Fire Brick Works, supplies,	20	47		
G. Wadleigh, supplies	17	39		
Parker Holmes & Co., supplies .	11	81		
A. J. Wilkinson & Co., supplies .	11	21		
Boston Belting Company, supplies,	10	08		
Atherton & Co., supplies	9	78		
Chandler & Farquhar, supplies .	9	09		
C. W. Morehouse, supplies	9	01		
J. E. Trowbridge, supplies	6	35		
Hall Rubber Company, supplies	5	20		
A. A. Savage, supplies	3	83		
United States Metallic Company,				
supplies	3	60		
Samuel May & Co., supplies	3	40		
Sabin & Page, supplies	3	13		
Sherburne & Co., supplies	2	70		
Sundry small bills	22	05		
Total, as per item No. 54 of				
expenses	\$37,040	69		
Amount's carried forward .	\$37,040	69	\$911,189	55

RECEIVED.		
Received from Peter Thacher upon judg- ment in suit City of Newton vs. Michael Doherty, bondsman for Devlin, Long, &		
Moore \$4,150 34		
Received from Peter		
Thacher for costs in above-named suit . 473 79		
Received for pipe sold . 594 28		
Received for stone sold . 20 00		
Total, as per item No.		
45 of receipts 5,238 41	31,802	28
Total expenditure to Dec. 31, 1883	\$942,991	93
SCHEDULE OF CITY PROPERTY, REAL AND P	ERSONA	L.
Almshouse Department.		
70 acres of land \$7,000 00		
Buildings 8,000 00		
Personal property 3,947 35		
	\$18,947	35
City Hall Department.		
City Hall, furniture and fixtures . \$50,000 00		
City seal		
City stamps		

300 00

\$18,947 35

\$50,360 00

Reports, statutes, and special laws,

Amounts carried forward

$A mounts\ brought\ forward$.		00	\$18,947 3	5
Set of standard weights and meas-				
ures	100	00		
Record books	200	00		
Bookcases, maps, etc	500	00		
			51,160 (00
Cemetery Depa	rtment.			
Land in Newton Cemetery .	\$2,000	00		
Tomb in Newton Cemetery .				
v			2,800 (00
City Engineering I	epartment			
Two transits, \$150 each .	\$300			
Three transits, \$100 each .	300			
Two levels, \$100 each	200			
Draughting materials	126			
Surveying materials		00		
TD 1	10			
Horse, wagon, etc.	350			
Tiorse, wagon, etc.			1,336	00
Fire Departs	nent.			
Steam fire-engine No. 1, appara-				
tus, horses, and furniture		00		
Steam fire-engine No. 2, appara				
tus, horses, and furniture	6,000	00		
Steam fire-engine No. 3, appara				
tus, horses, and furniture	6,000	00		
Hook and ladder, truck, horses, etc.				
Hose No. 4, horse, hose, reel, etc.				
Newtonville		0.0		
Hose No. 5, horse, hose, reel, etc.				
Auburndale		00		
Hose No. 6, horse, hose, reel, etc.				
Lower Falls	1,500	00		
270 11 02 2 0220				
Amounts carried forward .	\$25,200	00	\$74,243 3	35



Amounts brought forward .	\$25,200	00	\$74,243	35
Hose No. 7, hose-carriage, horse,				
hose, etc., Upper Falls	1,500	00		
Fire-alarm telegraph, including				
team, etc	20,000	00		
			46,700	00
Fire and Highway Depart	tmont Bui	ldin		
	ment Dui	iain	5 3.	
Steam fire-engine house, stables,	#19 000	00		
and land, Ward 7 Steam fire-engine house, stables,	\$15,000	UU		
and land, Ward 3	19,000	٥٥		
Steam fire-engine house, stables,	19,000	00		
and land, Ward 6	19,000	00		
Hook and ladder and hose No. 4	10,000	0.5		
house, stables, and land.	17,500	00		
Hose station No. 5, stables and	_,,,,,,,			
land, Auburndale	5,200	00		
Hose station No. 6, stables and	,			
land, Lower Falls	6,900	00		
Hose station No. 7, stables and				
land, Upper Falls	5,500	00		
			86,100	00
Free Library Depa	artment.			
Newton Free Library, building and				
·	\$42,000	00		
Books				
			52,000	00
Gravel and Grave	l Lands.			
Land on Jewett Street, Ward 1 .				
Land on California Street, Ward 1,				
Land on Crafts Street, Ward 2 .				
Land on Chapel Street, Ward 2.	100	00		
1 . 7 . 7 . 7				-
Amounts carried forward .	\$9,200	00	\$259,043	35

$Amounts\ brought\ forward$.	\$9,200	00	\$259,043	35
Land on Watertown St., Ward 2,	1,000	00		
Land on Faxon Street, Ward 2 .	200	00		
Land on Faxon Street, Ward 2 .	200	00		
Land on Auburndale Avenue,				
Ward 3	1,200	00		
Land on Pine Street, Ward 3 .	250	00		
Land on Pine Street, Ward 3 .	2,000	00		
Land on Pine Street, Ward 3 .	550	00		
Land on Bourne Street, Ward 4.	9,000	00		
Gravel on Washington Street,				
Ward 4	1,000	00		
Gravel on Washington Street,	,			
Ward 4	1,400	00		
Gravel on Elliot Street, Ward 5 .	500			
Gravel on Parker Street, Ward 5.	250			
Land east of Oak Street, Ward 5.	1,200			
Land on Willow and Centre	-,			
Streets, Ward 6	500	00		
Land on Florence Street, Ward 5,	400			
Land on Florence Street, Ward 5,	1,500			
Land on Beacon Street, Ward 6.	200			
Land on Homer Street, Ward 6 .	4,000			
Build on 120mor Street, Wald o			34,550	00
			01,000	00
Highway Departs	ment.			
1 steam road roller	\$6,000	00		
22 cart horses, \$225	4,950			
3 horses, \$100	300			
2 horses for superintendent of sts.,				
26 double and single carts	2,600			
43 harnesses				
4 double sleds, \$200	800			
	4,600			
Amounts carried forward .	\$20,475	00	\$293,593	35

Amounts brought forward . \$20,475 00	Ф0 0 9 509 95
2 stone wagons, wagon, carriage,	\$\pi 290,090 00
and sleigh 525 00	
Tools, chains, derricks, blankets,	
etc 1,800 00	
1 road-scraper	
-	22,950
Lighting Department.	
For 1,190 posts, lanterns, burners, etc., \$10 .	11,900 00
	,
Police Department.	
Station-house, building and land,	
North Village \$4,000 00	
Furniture and bedding 50 00	
Lock-up, furniture and bedding,	
Ward 1 1,050 00	
Lock-up, furniture and bedding,	
Ward 6 1,575 00	
Wagon and harness 150 00	
Horse, saddle, and bridle 200 00	
Horse, saddle, and bridle 125 00 15 pairs handcuffs, \$3.75 56 25	
15 pairs handcuffs, \$3.75	
6 lanterns, \$2.50	
16 badges	
15 parade clubs and belts, \$3.50 . 52 50	
Blankets	
Record books 50 00	
Furniture in station at City Hall . 75 00	
	7,574 75
Amount carried forward	\$336,018 10

School Department.

Solio or Soparo.	1101101	
High School buildings, furniture		
and land	\$57,000	00
Mason schoolhouse, furniture and		
land	49,100	00
Hyde schoolhouse, furniture and	,	
land	24,000	00
Prospect schoolhouse, furniture	, , , , ,	
and land	31,000	00
Prospect schoolhouse No. 2, furni-	,	
ture and land	7,500	00
Oak Hill schoolhouse, furniture	,	
and land	12,000	00 -
Hamilton schoolhouse, furniture	,	
and land	28,000	00
Williams schoolhouse, furniture	,	
and land	20,000	00
Williams new schoolhouse and	,	
land	35,000	00
Pierce schoolhouse, furniture and	,	
land	32,000	00
Davis schoolhouse, furniture and	,	
land	13,000	00
Franklin schoolhouse, furniture	,	
and land	15,000	00
Claffin schoolhouse, furniture and		
land	35,000	00
Adams schoolhouse, furniture and	,	
land	22,000	00
Bigelow schoolhouse, furniture		
and land	42,000	00
Underwood schoolhouse, furniture	,	
and land	24,000	00
4 2 2	*	

Amounts carried forward . \$446,600 00 \$336,018 10

Amounts brought forward	.\$446,600	0 \$336,018	10
Lincoln schoolhouse, furniture	and		
land	. 5,500	00	
Jackson schoolhouse, furni	ture		
and land	. 15,000	00	
Elliot schoolhouse, furniture	and		
land	. 19,000 (00	
School apparatus	. 5,000	00	
		491,100	00
•			
Water De	partment.		
Building for pipe-fittings, etc., st	table, and land,	3,500	00
3 horses, wagons, harness, etc.		500	00
		\$831,118	10

For cost of water-works, see water-construction account.

Table showing the Number of Polls, Real and Personal Estate of the City, Amount of Tax, Rate per Cent, Appropriations, etc., for Twenty-Three Years.

1883 .	1882 .	1881 .	1880 .	1879 .	1878 .	1877 .	1876 .	1875 .	1874 .	1873 .	1872 .	1871 .	1870 .	1869 .	1868 .	1867 .	1866 .	1865 .	1864 .	1863 .	1862 .	1861 .	A.D
4,661	4,502	4,336	4,132	4,010	3,882	4,045	4,334	4,089	3,917	3,659	3,420	3,199	3,055	2,937	2,736	2,438	2,297	2,118	2,046	1,911	1,989	2,056	Polls.
				17,456,655 00					20,032,800 00		15,792,950 00	12,770,420 00	_		9,104,567 00		835			5,504,367 00	5,476,805 00	\$5,644,285 00	REAL ESTATE.
7,329,283 00	7,405,233 00	8,169,763 00	7,481,830 00	6,330,697 00			7,072,845 00			7,537,775 00	8,463,904 00	6,615,593 00	6,330,922 00	5,634.266 00	5,366,602 00	4,995,127 00	4,560,724 00	3,390,075 00	2,309,021 00		2,495,821 00	\$1,955,835 00	PERSONAL.
27,124,088 00				23.787,352 00																		\$7,600,120 00	Total.
427,033 59																						\$57,801 88	COUNTY TAX.
15 40																							RATE.
488,120 00				367,850 00						333,300 00													APPROPRIATIONS.
3,381	3,310	3.257	3,214	3,178	3,150	3,057	3,004	2,876	2,657	2,523	2,392	2,220	2,077	1,826	1,671	1,552	1,491	1,438	1,421	1,399	1,374	1,330	Houses.

TABLE

Showing Amount paid for Support of Poor out of Almshouse from 1851 to 1883 inclusive.

1851	•	•	•	\$138	56	1868		•		\$1,464	53
1852				104	94	1869		•		2,019	28
1853				45	70	1870		•	•	2,197	41
1854				38	10	1871		•	•	3,713	39
1855	٠			73	63	1872		•	•	2,884	79
1856		•		135	49	1873	•			3,066	59
1857	•	•		204	96	1874				3,895	51
1858				387	61	1875	•			5,553	79
1859		•		358	25	1876				9,336	14
1860				500	81	1877	•			10,259	57
1861				757	14	1878		•		8,284	10
1862		•		781	50	1879				8,246	42
1863				632	27	1880		•		6,455	80
1864	•		•	605	02	1881		•		6,808	75
1865				870	77	1882		•	•	7,933	57
1866	•			643	72	1883			•	8,016	14
1867				1,268	08						

SALARIES OF CITY OFFICERS, 1884.

Mayor	•	•	•	•			•	\$1,000	00
City clerk							•	2,000	00
City treas	urer	and c	olled	etor			•	2,700	00
Assistant	treas	urer a	and o	deputy	col	lector		1,100	00
City audit	or		- 00					2,000	00
City solici	tor	·•				•		1,000	00
Chairman	of a	ssesso	rs	•				1,200	00
Two assess	sors,	each				•	•	750	00
Assistant a	asses	sors,	each	per da	у			4	00
City messe	enge	r.	•	•	•		•	1,100	00
Clerk of C	omn	non C	ound	eil .	•	•	•	200	00
Sealer of v	veigl	hts an	d me	easures				75	00









HIGHWAY DEPARTMENT.

HIGHWA	Y D	EPAF	RTME	NT.			
Superintendent of streets	. two	hor	ses a	nd e	ar-		
riage furnished .						\$1,500	00
City engineer				•		2,000	
						-,	
FIRE	חדם.	۸ ت <i>و</i> ستر ۸	TENT				
						*** 400	
Chief of department, tean	ı furi	nished	d .	•	•	\$1,400	
Assistant chief			٠,	•	•	300	
Superintendent of Fire A		_	_	•	•	1,000	
Three engineers of steame					۰	950	00
Four drivers of steamers,	and.	Hook	and	Ladd	$e\mathbf{r}$		
		•		•	•	750	
One driver of hose-carriag				•	•	500	00
Eight foremen of steamer							
der, and Hose Co., ea						90	00
Eight assistant foremen, a							•
and Hook and Ladde							00
Fifty-eight hosemen and la	addei	men,	each	•	•	70	00
_			_				
POLICE	DEI	PART	MEN:	r.			
City marshal, team furnish	ned	•				\$1,500	00
Sergeant of police .			•		•	1,000	00
Twelve policemen, each	•	•	•			900	00
One policeman		•	•		•	825	00
One policeman			•			750	00
First year of service .						750	00
Second year of service						825	00
Third and subsequent year	rs					900	00

POOR DEPARTMENT.

10010	DHII	716114	TLICE	•			
Seven overseers of poor,						\$50	00
City almoner and clerk of	f boar	d		•		700	00
Warden of almshouse	•	• (•	•		600	00
			-				
WATE	R DEP	ART	MEN	T.			
Water registrar						\$1,800	00
Superintendent of water-					ed.	1,500	
Inspector of meters and f						1,050	
Engineer at pumping stat						1,200	
Fireman and watchman,						-,	
house-rent			•		•	600	00
	sсно	ols.					
Superintendent				•		\$2,700	00
One teacher	•				•	2,800	00
Four teachers at \$1,900						7,600	00
One teacher				•	•	2,000	00
Three teachers at \$1,800						5,400	00
Three teachers at \$1,500					•	4,500	00
One teacher						800	00
Three teachers at \$1,000						3,000	00
One teacher		•				950	00
One teacher	•	•	•		•	900	00
Twelve teachers at \$750	•	•				9,000	00
Forty teachers at \$600	•	•	•	•		24,000	00
One teacher	•	•				550	00
Five teachers at \$500		•	•			2,500	00
One teacher	•	•	•			400	00
Two teachers at \$300	•	•	•			600	00
One teacher	•					200	00
Secretary of School Com	mittee		•			300	00

Janitors.

One janitor		. 8					\$650	00
One janitor							626	00
One janitor						•	540	00
One janitor							425	00
One janitor							400	00
One janitor				•		•	300	00
One janitor	•	•			•		275	00
Two janitors at	\$240						480	00.
One janitor	•					•	216	00
0	•		•	•			120	00
Two janitors at	\$96						192	00

LIBRARY.

Librarian		•		\$1,000 00
Assistant librarian	•			600 00
Three assistants, each \$400				1,200 00
Janitor				1,000 00

STATISTICS COMPILED BY THE CITY CLERK FROM THE RECORDS OF HIS OFFICE.

BIRTHS REGISTERED, 1883.

AGGREGATE. 22 24 25 25 35 35 35 35 35 36 40 3	
ă	403*
Тоты.	
H 12 1 1 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	33
ω αινιπιαιαιαι ι MALE.	
а .a.мая 4 ю ю 1 1 1 1 0 ю и 1 ю 6 2	10
.alaM 2014440100111 20	
	40
· SIAM のコロロの 14 14ののの 02	
	co
.31AN	
	ရှိ ဂ
ω μωνουσιισια μ _{ALE} .	
WENTER COLUMNICATE COLUMNICE.	2
(σ) (π) (π) (π) (π) (π) (π) (π) (π) (π) (π	
- 1 делия делен не после не п	77
.81AM	
	•
y	•
MARDS. ary h l l st nber mber mber mber	· · · ·
WARDS. January February March April April Ay May Tuny May May May May May May May May May Ma	TONGT.

* There were births of twins in nine cases.

135
Birthplace of Parents of above.

										FATHERS.	Mothers.
America Belgium	•	:	:		•	•	•		· .	202	181
Burmah Canada		٠	•	•	•	•	•	٠	•	48	1 60
England	•			•		•		•	•	20	20
France Germany .		•		•		•	•	•	•	$\frac{1}{7}$	6
India Ireland			•	•		•				119	$\begin{array}{c} 1 \\ 129 \end{array}$
Russia Scotland			•	•	•	•				1 3	- 2
Sweden Switzerland .				٠		٠					2 2 -
Totals										403	403
	•	Ĭ	i		•	·	•	•	•	202	181
Foreign	•			•			•		•	202	222

MARRIAGES, 1883.

Birthplace of above Contracting Parties.

					,			Groom.	BRIDE.
America Azores Islands Canada			•					118 1 19	108 1 30
77 1 7	•			•			:	9 3	8 1
Ireland Scotland				•	•	•	•	· 34 4 2	41
Sweden Totals					•			191	191
American Foreign			:/				:	118 73	108 83

DEATHS, 1883.

Statement showing Causes of Death in each Month.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	August.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	Total.
Anæmia	1 - 2 -		- - - 1	3	1 1 1 1	- 1 -	1	2 -	- 2 -	2 - 1 -		2 1 2 -	11 1 8 1
Bowels, congenital occlusion	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		1 1 - 1 1 1 1	322-1121121				111	1111111	1 - 1 - 1 - 1 1 1 1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

DEATHS, 1883.

Statement showing Causes of Death in each Month (concluded).

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	November.	DECEMBER.	TOTAL.
Measles Meningitis Nephritis, chronic Old age Paralysis Peritonitis Phthisis (consumption), Pistol-shot Pleurisy Pneumonia Pneumonitis Premature birth Railroad violence Rheumatism, chronic Rupture Scarlatina Scrofula Septicæmia Serticæmia Stillborn Stomach, carcinoma of, Stomach, ulceration of, Sunstroke Typhlitis Umbilicus, hemorrhage of Unknown (probable exposure)		3 1	- 2 - 1 4 	3 - 2 - 1	3 - 2 - 2	1 - 1 1 1	1 1 4 - 1 1	1 1 3 - 1 1 - 1 1 - 1 1 - 1	2		1 1 3 - 2 1 2 1 1 2 1	1 - 1 - 1 3	1 6 2 15 3 3 35 1 1 18 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1
Number of deaths in each month	21	11	24	18	22	17	19	30	22	25	21	21	251

Totals	January February March March April May June July August September October November December		
2.2			
20	1 10 1 57 57 50 1 1-1-10 1 1-1	MALE.	н_
16 36	1 1 1 2 1 1 1 1 1 2 1 2 2 2 2 1	FEMALE.	·
20	888811891189	MALE.	13
27 47	&	FEMALE.	
19	411972114	MALE.	ట
22 41		FEMALE.	
25	1044004000	MALE.	4
20 45	3121222222112	FEMALE.	, , , , , , , , , , , , , , , , , , ,
11		MALE.	Čī
21 32	210141141011	EMALE.	
19	1 8 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MALE.	6
14 33	12112121212	FEMALE.	<u> </u>
11		MALE.	~1
6 17	H111111HH100	FEMALE.	
125	7 6 6 10 6 11 11 11 11 11 11 11 11 11 11 11 11 1	MALE.	TOTAL
126	14 5 10 11 11 11 11 11 11 11 11 10 10 10 10	FEMALE.	AL.
251 251	121 122 124 128 129 129 129 129 129 129		AGGREGATE.

Statement of Deaths by Months in each Ward.

140

Birthplace of Parents of above Deceased Persons.

										FATHERS.	Mothers.
America Austria Belgium	•	•	•		•	•			•	127 1 - 11 14 2 8 72 5	134 - 1 13 13 1 6 65 4
Unknown . Totals			•	•	•	•	•	•	•	251	251
American Foreign . Unknown						•				127 113 11	134 103 14
										251	251

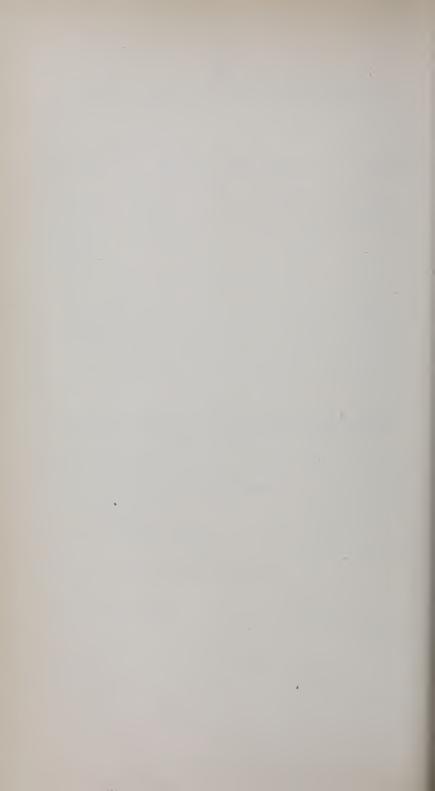
FEES.

Recording Fees collected and paid monthly to City Treasurer, April 1 to Dec. 31.

Assignment of wages .		. \$21	45		
Licenses, Auctioneer, Bills of	f sale, Col	l-			
lecting barrels, and Intellige	ence-office	. 10	50		
Licenses: Junk-dealers	•	. 16	00		
Marriage .		. 70	50		
Mortgages: Personal property	y . =	. 60	00		
				\$178	45
Collected for dogs licensed	April 1 t	0			
Dec. 1:—					
Males, 710, at \$2.00 .		. \$1,420	00		
Females, 64, at \$5.00.		. 320	00		
		<u>-</u>		1,740	00
Dec. 1. Paid city treasurer, -					
Retained fees, 774 licenses,	at \$0.20	. \$154	80		
Dec. 1. Paid county treasure	er .	. 1,585	20		
v				1,740	00

\$141\$ Dogs are distributed in the Various Wards as follows:—

				1	2	3	4	5	6	7
Males . Females				88 12	134 11	94 13	102	87 12	152 6	53 7
Totals	•	•	•	90	145	107	105	99	158	60



REPORT

OF

THE OVERSEERS OF THE POOR.



REPORT OF THE OVERSEERS OF THE POOR.

To the City Council of the City of Newton the Board of Overseers of the Poor respectfully submits its Annual Report.

The regular work of the Board has been performed, with

no marked changes to be noticed, during the year.

There has been a general supply of work, and no prevailing sickness. With these two conditions, the number of those asking aid is kept within reduced limits. It can hardly be expected that in average years it can be kept at so low a figure. The net cost of poor out of almshouse is a trifle less than in 1882.

Of the class aided, there are, first, those who call occasionally, and mostly in the winter, when their wants are greatest, and income from labor least.

Second, those who receive continuous aid through the entire year. To these are added each year new cases, of those who have become dependent by the increasing feebleness of age or by disease.

Other things being equal, the expenses of the department may be expected to increase with the increase of population in the city. The increase in number of well-to-do citizens creates a demand for more laborers, whose wants often keep pace with their means; and thus, when sickness, accident, or other misfortune comes upon them, they are immediately destitute, and obliged to call for aid.

The complaint appears more general the past year, that families are landed on our shores from abroad, who from total lack of means, on the slightest unfavorable turn of affairs are in distress, and must be cared for at public expense. Many of these appear to be worthy, and to have come with a

laudable desire to improve the condition of themselves and their children.

When the reasons for our pauper expense are sought, we find that the use of intoxicating drink is the direct or indirect cause of a large proportion of the pauperism in our city. If this evil were abolished, the larger part of pauperism would disappear.

The problem what to do with families, consisting of mother and several children, receiving continuous partial support, is not solved, neither is there unanimity of opinion upon it. When the children in these families are well cared for, and are under those influences that produce good citizenship, it seems just to aid them at their homes, and thus preserve the natural family ties. In other cases, these families are destitute of all the elements of a good home, lack control, and the children are likely to develop into paupers and criminals. Children from such families could, with profit to themselves and the community, be placed in adopted homes, or in a city children's home.

Whole number of persons receiving partial	sup	port	out	
of almshouse during the year		•		346
Having legal settlement in Newton .	•	•	219	
Having settlement in other cities and towns			5 6	
Having no settlement	•	•	71	

Persons wholly supported out of almshouse during any part of the year are as follows:—

State Reform School

State Work-house	•	•	•	•	•	1
Northampton Lunatic-Hospital			•			1
Asylum for the Chronic Insane,	Word	ester				2
Worcester Lunatic-Hospital .	•	•		•	•	12

Remaining at present in	insa	ne-ho	ospit	als	•	•	8
In State Reform School			•		•		1

Of the twelve who have been in Worcester Lunatic-Hospital, five have been returned to their friends, two have died, and five remain.

				14	± (
The who	ment,	for t	he ye	propr ear 1	iated 883,	by twas as	he C	City	Council :—	for
Poor out of	f alms	shous	e.						\$7,500	00
Almshouse	expe	nses	and 1	epair	s.	•	•	•	3,800	
Tota	ıl app	ropri	ation	١.	•	•	•	•	\$11,300	00
The who	le am as fol	ount lows	expe	ended	l for	poor	out o	f alr	nshouse	for
Cash payme	ents								\$548	88
Groceries		•			•	•		·	1,754	
Fuel .				•					998	
Clothing								·		50
Board								·	337	
Medical atte	endar					·	•	•	254	_
Medicine					·	•	•	•	87	~ ~
Burials				·	•	•	•	•		
Feeding tra	mps a	ind to	ra.vel	lare	•	•	•	•	155	
Support of i	nsan	a .			• •	•	•	•	51	
Paid other c					•	•	•	•	2,155	
Commonwea					•	•	•	•	415	
Salary of cle	andr or	1 MI	ssacii	useu	S	•	•	•	202	
Salaries of o	rk al	ia an	none	Г	•	•	•	•	700	
Dalaties of 0	verse	ers	•	•.	•	•	•	•	350	00
Total	expe	endit	ures			•			\$8,016	 14
Receipts fro	m th	e Sta	ate, o	ther	cities	and	town	ns,		
and frie	ends o	of the	relie	eved	•	•	•	•	1,468	96

The almshouse, since its reconstruction, has proved well adapted to the wants of the inmates, and convenient for the work of the establishment. The warden expresses the opinion that there has not a better, for the purpose, come under his observation, though there are more extensive ones. The ease, safety, and economy with which the whole house is kept comfortable through the winter by the steam-

\$6,547 18

Net cost of poor out of almshouse

heating apparatus is continued proof that the change from furnaces was a desirable one.

During the year the bath-room and two water-closets have been completed, and are great conveniences to the warden's family and the inmates.

Religious services have been continued during the summer in the large dining-room, which gives desirable accommodations for the purpose. These services have been attended by the inmates, and also by citizens from outside.

Some of the younger inmates, who were useful and helpful, have left during the year, and several aged and infirm persons have been added to the number of dependents, whereby the labor and expense of maintaining the house have been considerably increased.

Seven of the inmates have died during the year. Three of these were sick, and near their end, when received.

For lack of other hospital accommodations within reach, the department is liable at all times to receive at the almshouse cases of sickness having no claim there. Persons having no settlement, who must be provided for somewhere outside their boarding-places, are thrown upon us. With our present accommodations, this can be done, to a limited extent, at the almshouse, though the bills for medical attendance and nursing will make an important increase in almshouse expense.

The matron has the fullest confidence and co-operation of the Board, and also of the inmates, in the management of the internal affairs of the house. Efficiency and kindness, both so important in this connection, are apparent in the results gained. The large proportion of aged and sick has made the year one of more than ordinary labor, care, and expense.

The conveniences for the insane are so limited at the almshouse, that only the most comfortable and quiet can be received. To take such as would, with present accommodations, disturb the quiet of the family, composed mostly of the aged and feeble, a separate ward is necessary. This arrangement is being made by many cities and towns.

The farm, stock, and general outside business of the almshouse department have been managed by the warden with efficiency, and to the satisfaction of the Board.

By the extension of a shed, at a cost of \$167, protection from wind is secured to the barnyard, with enlarged accommodations for stock, and for storage in the corn-room above.

The purpose of the City Council, to donate to the Boston and Albany Railroad a roadway across both sections of the farm, will, if carried into effect, be a great injury to the property for the purposes of a farm, and will doubtless necessitate in the future a removal, and rebuilding in some other locality. The enhanced value of the property for other uses may compensate the city for the trouble and expense to which it will be subjected.

Whole number cared for at almshouse,	all or	part	of t	he	
year	•	•	•		49
Present number	•	•	•	•	30
Average number for the year	•		•		32
Died during the year	•	•	•	•	7
Of present number over 70 years of age	•	•	•		11
Of present number over 80 years of age					8
Of present number over 90 years of age	•	•	•	•	4

Bills for permanent equipment of almshouse, part of which were contracted in 1882, have been paid during the year, as follows:—

Bath-room and was	ter-cl	osets		•			\$259	48
Fire-hose .		•					143	00
Stove in kitchen		•				•	74	00
Extension of shed		•	•	•		•	167	00
Exchange of hors	e		•	•	•	•	176	00

Whole amount appropriated	d for	almsł	nouse	ex-		
penses and repairs.					\$3,800	00
Whole amount expended					1759	ΩΩ

Amount received from sales of produce, wood,	
board, etc	\$1,340 00
Net cost of almshouse expenses and repairs	3,413 48
Net cost of poor out of almshouse	6,547 18
Total cost of poor department for 1883, net.	9,961 02
Total appropriation	11,300 00
For the Overseers of the Poor.	
NATHAN MOSM	AN, Clerk.





REPORT OF HEALTH OFFICER.

CITY HALL, WEST NEWTON, Feb. 1, 1884.

To the Board of Health.

Gentlemen,—The details of the work performed in applying and enforcing the rules of the Board have not varied materially from those of previous years.

No special occurrence worthy of note has transpired. There have been scattered cases of diphtheria and scarlet-fever through the year, but not general, or epidemic in character.

Dwellings and premises have been visited, whenever attention has been called to them by reports from physicians, or otherwise.

It is possible, that, in some cases, physicians have neglected to report to the Board cases of disease dangerous to the public health.

In some sections of the city a visit generally shows the necessity for work being performed to secure good sanitary conditions in and about dwellings, and safety to the occupants.

The usual amount of attention has been required in houses where the plumbing was unsafe, from imperfect plans, material, or workmanship. When such a system of plumbing, connecting with a cesspool, ends in the centre of a house, there must be danger to the occupants from the slow escape of poisonous gas.

There are many good dwellings, with complete amount of plumbing, that are not safe or comfortable; while others, with the simple privy vault properly cared for, have all the elements of comfort and safety.

The carefully prepared Rules of the Board will be of special value to citizens in giving information concerning the

safety and healthfulness of the dwellings they build and occupy, and in correcting errors in plumbing and drainage. In many cases, by their help dangerous elements may be discovered and corrected in dwellings which had been supposed properly constructed and safe. They could with profit be placed in every occupied house in the city.

REPORTED CASES OF DISEASES DANGEROUS TO PUBLIC HEALTH.

Diphtheria		•				•	•		•	25
Scarlet-fever										36
Typhoid-feve										8
Defective plu	ımbin	g an	d bro	oken o	drains		•			67
Private nuis	ances	com	plai	ned o	f, and	d aba	ated	by the	ose	
complair	red of	f .		•	•	•	•		•	48
Well closed	•	•	•	•		•	•			1
0.1 11	7	7				1 4	• • •	3 *1		

Other wells have been given up voluntarily, while many unsafe ones are still used for domestic water-supply.

Miscellaneous complaints not enumerated are of soapworks, stables, barn-cellars, sewage left on land uncovered, pig-pens, filthy yards, etc.

The collection of house-offal under contract has been made, to the general satisfaction of citizens. The exceptional cases might be sooner remedied if sooner reported. Private collections, to some extent, are made morning and evening, contrary to the rules of the Board. Due care not to encounter the police is necessary in order to make this a profitable industry; but in many cases it appears to be so.

The keeping of swine in villages not only is a nuisance in neighborhoods, but also, by encouraging private collections, interferes with the rights of the contracting collector of houseoffal.

The cleansing of cesspools and vaults has been performed by eleven licensed persons. These have used the box apparatus, with one exception, wherein the odorless excavator has been used. The proprietor of this apparatus has the sole right for its use in the city. There are other good and effec-









tive kinds of apparatus that could be applied to this work. One or more additional odorless excavators located at different points in the city would better accommodate citizens, and facilitate the prompt execution of orders, while also giving opportunity for choice. Many advantages are gained in using the odorless excavator, as the work can be performed by day.

The collection and disposal of ashes by the highway department has served an important end in filling low and unhealthy lands about the city, and thus removing causes of discomfort,

and danger to health.

The small-pox hospital has, fortunately, not been occupied the past year. It has been painted outside and in, both for preservation and comfort, and is in neat and good order.

The comparative healthfulness of Newton as a place of residence has become an established fact. The census of 1880, in giving the mortality rate of the eighteen incorporated cities of Massachusetts, showed that of Newton to be the lowest, it being 15.8 to the thousand persons, the rate rising in the other cities to 26.3, the highest.

The public statistics of the State for 1882 give even better figures, Newton being 14.8, the lowest; the highest being 27.4.

These facts, though gratifying to dwellers in Newton, should not lead to relaxation in effort for better things, as the causes of danger to public health are not yet all removed.

Respectfully submitted.

NATHAN MOSMAN, Health Officer.







REPORT OF CITY MARSHAL.

CITY MARSHAL'S OFFICE, NEWTON, Jan. 1, 1884.

To the Honorable Mayor and City Council.

A REPORT of the doings of the police department of Newton, for the year ending Dec. 31, 1883, is herewith submitted.

The force is composed of a city marshal, one sergeant, and fourteen patrolmen. The patrolmen are stationed as follows:—

At Newton	•		•	•	•	•	•		•	3
At Newtonvil	le	•				•	•	•	•	1
At Nonantum	•		•	•	•		•	•		1
At West New	ton	•	•			•	•	•		2
At Auburndal	le			•	•		•			1
At Newton Co	entre	•	•	•	•	•	•	•		2
At Newton H	ighla	nds	•	•	•					1
At Newton Lo	wer	Falls	•	•	•					1
At Newton U	pper	Falls								1
Mounted to pa	atrol	the wl	hole o	eity	•	•	•			1
m										
Total	•	•	•	•	•	•	•	•	•	14

NATIVITY OF THE MEMBERS.

Massachuse	tts .										8
New Hamp	shire										3
Maine .				•		•			•	•	2
Vermont .		•						•			-4
Nova Scotia	ι .	•		•	•	•		•	•	•	1
Ireland .			•		•		•	•	•		1

For night-patrol duty there are eleven routes or beats, bounded thus:—

No. 1, beginning at Centre Street, at Watertown line, thence by Centre, Sargent, and Kenrick Streets, to Boston line, thence by Boston line, Charles River, and Watertown line, to the point of beginning.

No. 2, beginning at Boyd's Pond, at Watertown line, thence, by said pond and Cold Spring Brook, to Pearl Street, thence by Pearl, Green, Chapel, Middle, Adams, and Washington Streets, Cold Spring Brook, Cabot and Centre Streets, to Watertown line, thence, by Watertown line, to the point of beginning.

No. 3, beginning at Boyd's Pond, at Watertown line, thence, by Boyd's Pond and Cold Spring Brook, to Pearl Street, thence by Pearl, Green, Chapel, Middle, Adams, Washington, Crafts, and North Streets, to Waltham line, thence by Waltham line, Charles River, and Watertown line, to the point of beginning.

No. 4, beginning at Cold Spring Brook, at Washington Street, thence, by said brook, to Cabot Street, thence by Cabot, Blake, Mill, Walnut, Homer, Valentine, and Highland Streets, Forest Avenue, Mount Vernon Street, Washington, Cross, and Watertown Streets, to Cheesecake Brook, thence by said brook, Crafts and Washington Streets, to the point of beginning.

No. 5, beginning at Waltham line, at North Street, thence by North and Crafts Streets, Cheesecake Brook, Watertown, Cross, and Washington Streets, Greenwood Avenue, Mount Vernon Street, Forest Avenue, Highland, Valentine, Homer, Fuller, Washington, Greenough, Auburn, Crescent, and Webster Streets, a private way, Auburndale Avenue, Dartmouth Street, Pine, River, and Lexington Streets, to Waltham line, thence to the point of beginning.

No. 6, beginning at Waltham line, at Lexington Street, thence by Lexington, River, Pine, and Dartmouth Streets, Auburndale Avenue, a private way, Webster, Crescent, Auburn, Greenough, and Washington Streets, to the Gasometer,

thence across the vacant land, and across Grove Street, to Charles River, thence, by said river and Waltham line, to the

point of beginning.

No. 7, beginning at Charles River, at the boundary line between Wards Nos. 4 and 5, thence, by said boundary line, to Beacon Street, thence by Beacon, Chestnut, Fuller, and Washington Streets, to the Gasometer, thence across the vacant land, and across Grove Street, to Charles River, thence, by said river, to the point of beginning.

No. 8, beginning at Charles River, at the boundary line between Wards Nos. 4 and 5, thence, by said boundary line, to Beacon Street, thence by Beacon, Chestnut, Woodward, Boylston, Cook, Winchester, and Nahanton Streets, to Charles River, thence, by Charles River, to the point of beginning.

No. 9, beginning at Charles River, at Nahanton Street, thence by Nahanton, Winchester, Cook, Boylston, Woodward, Chestnut, Homer, Walnut, Hyde, Centre, Clark, Boylston, Dudley, and Brookline Streets, to Brookline line, thence by said line, Boston line, and Charles River, to the point of beginning.

No. 10, beginning at the corner of Beacon and Walnut Streets, thence by Walnut, Mill, Blake, Cabot, Sargent, and Kenrick Streets, to the Boston line, thence, by Boston line, to Beacon Street, thence, by Beacon Street, to the point of

beginning.

No. 11, beginning at Boston line, at Beacon Street, thence, by Boston line and Brookline line, to Brookline Street, thence by Brookline, Dudley, Boylston, Clark, Centre, Hyde, Wal-

nut, and Beacon Streets, to the point of beginning.

The only change made in the department during the past year has been in the retirement of Mr. Revilo L. Hinds as city marshal, and the appointment of the present incumbent, who began duty on the sixth day of September: otherwise the force is the same as it was one year ago.

The following statement shows the work done by the department during the year: —

Number of	arrests		•						408
Number of	males.								366
Number of	females								42
Number of	foreigners								232
Number of	minors								87
Number hele	d for trial								368
Number rele	eased on ex	kamir	natio	n.					40
	NATIV	ITY	OF	PRIS	ONE	RS.			
United Stat	es .	•			•	•			174
Ireland.				•	•	•	•		177
England			•	•	•	•			22
Canada.		•				•			17
Germany		•	•	•	•		•		7
France .			•		•	•			5
Scotland			•	•	•				5
Spain .		•			•		•		1
									400
									408
000					. 1 .				
	for which a	ırrest	s we	ere ma	aae:-				1
Assault	1 44	•	•	•	•	•	•		$\frac{1}{36}$
Assault and		•	•	•	•	•	•	•	
Assault, feld		•	•	•	•	•	•	•	2
Assault on a	in omcer	•	•	•	•	•	•	•	2
Adultery	• • •	•	•	•	•	•	•	•	1
Attempt to		_	•	•	•	•	•	•	4
Breaking an		•	•	•	•	•	•	•	1
Contempt of		•	•	•	•	•	•	•	4
Cruelty to a	nimais	•	•	•	•	•	•	•	9
Disorderly	111		•	•	•	•	•	•	5
Disturbing a	-	nool	•		•	•	•	•	1 42
Disturbing t		•	•	•	•	•	•	•	
Drunkennes		•	•	•	•	•	•	•	135
Embezzleme		•	•	•	•	•	•	•	$\frac{3}{2}$
Escaped con		•	•	•	•	•	•	•	2 2
Evading far	е .								Z

Fraud						1
Insane					•	12
Larceny, simple						28
Larceny, felonious .						11
Malicious mischief .						1
Mingling poison with foo	d .					1
Non-support of family .						1
Profanity						1
Railers and brawlers .						3
Receiving stolen goods.						1
Refusing to assist an office	er .					3
Runaways						2
Selling leased property.						1
Stealing a ride						1
Stubborn children .						2
Suspicion of larceny .			•			1
Suspicious persons .						12
Threatening bodily harm						2
Truancy						3
Vagrancy						4
Violation of city ordinan	ces					20
Violation of dog law .				. 1		19
Violation of liquor law						28
•						
Total						408

LODGERS.

					Number.	Males.	FEMALES.
At station No. 1 At station No. 2 At station No. 3 At station No. 4					336 75 352 148	331 75 350 146	5 0 2 2
Total	•	•	•	•	911	902	9

NATIVITY OF LODGERS.

United State Ireland. England Scotland Germany Canada.	es •	•		•		•	•			388 365 72 28 23 22
France.	•	•	•	•	•	•	•	•	•	5
Italy .	•	•	•	•	•	•	•	•	•	4
Sweden	•	•	•	•	•	•	•	•	•	2
	•	•	•	•	•	•	•	•	•	1
Norway	•	•	•	•	•	•	•	•	•	1
Russia .	•	•	•	•	•	•	•	•	•	
Total	•				•	•			•	911
	I	MISCI	ELLA	NEOU	JS BI	USIN	ESS.			
Amount of	nroi	nertv	renoi	rted s	tolen	in th	e citx	7.	\$3,99	21 00
Amount red									ΨΟ, υ	1.00
the city		104, 10	, S 0 W	110. 50	01011	III WII	a out	, 01	4 29	21.42
Accidents re		ted	·	·	·	·	•	·		35
Buildings fo			. and	l secu	red	•	·	·		37
Dangerous l						·	·	·		10
Dead bodies			ropo.		· ·	•	•	•		3
Defective g			· enor	ted.	·	·	·	•		195
Defective of		_	_		•	·	•	•		302
Defective si					·	·	•	•		23
Defective st			_		i.	·	•	•		25
Defective g		-			·			•		10
Defective w						•	•	•		12
Disturbance				01 00 a	•	•	•	•		58
Dogs killed		.ppros	, DOG		·		·	•		13
Fire-alarms		nded			•	•	•	•		13
Fires exting				nt ala	arm .		·	·		25
Horses kille	_		, 10110	at the		•	•	•		11
Injured and		l	ong (aiata	.4	•	•	•		
	SIU	k bers	UIIS (1001011	eu .					24

Lost children restored to friends					19
Liquor search-warrants served	•		•		34
Lanterns hung out in dangerous	place	es			21
Notices served	•		•		8,000
Nuisances reported	•		•	•	21
Stray teams put up	•	•	•	•	29
Street-obstructions removed.					36
Truant cases investigated .		•			27
Amount of fines imposed by cour	rt		•	. (\$1,504.00
Amount of imprisonment .	•	•	14 ye	ars,	7 months
Amount of court-fees earned by	office	$\mathbf{r}\mathbf{s}$	•		\$780.32
Amount received from sale of a l	norse				\$165.20

The amount appropriated for the maintenance of the department was \$17,700, the amount expended, \$17,199.57; deduct the amount received from court-fees and the sale of the horse, and it will be found that the total expenses for police service for the year were \$16,254.05.

During the year special police-officers were employed 248 days, at an expense of \$620.

If the removal of Station No. 1 is contemplated, it is suggested that Stations Nos. 1 and 2 be consolidated, and a station-house be built about midway between the present locations of the two. Station 2 is not used for lodgers on account of its isolation, and being without any one in constant charge.

The strength and efficiency of a police force is not so much in the excessive number of station-houses, as in the number of men judiciously distributed. Take, for instance, the city of Lowell, with its sixty thousand inhabitants and its police force of sixty men, it has only one police-station.

The amount saved in the way I have mentioned could be expended in the increase of the number of men.

CITY PROPERTY IN USE BY THE POLICE DEPARTMENT.

		1	STAT	ions.		MARSHAL'S	mom. r
		1	2	3	4	OFFICE.	TOTAL.
Bed blankets	•	1 . 7 . 1 . Lot 3 . 1 . 1 1 1 1 . 1 1 . 1 1 . 1 1 . 5 1	4 -	1	8 2 Lot	7 Lot 1 8 30 2 3 4 1 2 1 17 19 2 6 2 1 2 2 1 1 3 1 6 16	30 3 Lot 1 13 30 2 3 21 5 4 2 3 17 19 175 2 6 7 2 1 5 5 2 1 6 7 2 1 5 5 5 5 5 5 5 6 7 1 6 7 1 7 1 8 1 8 1 6 7 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1
Police-clubs, short . Police-buttons, dozen Police-badges		: -	-	-	-	106 17	106 17
Police-belts Police-regulations . Police-calls Police-wreaths			-		-	16 150 15 12	16 150 15 12
Reins		: -	-	-	-	1 120	120

CITY PROPERTY IN USE BY THE POLICE DEPARTMENT. (Concluded.)

					STAT	ions.		MARSHAL'S	Тотат
				1	2	. 3	4	OFFICE.	TOTAL.
Saddles and brid	les.			_	_	_	_	2	2
Saddle-cloths.				_	-	_	_	3	3
Settees				_	_	_	1	-	1
Sleighs				_	-	_	-	1	1
Spittoons			٠	1	1	1	2	2	7
Shovels				_	1	_	1	-	2
Surcingles		•		_	_	_	-	2	2
Tables				1	1	2	-	1	5
				_	_	-	-	1	1
Tin cups				3	8	6	2	-	19
Towels				_	- 1	2	-	3	5
Wash-bowls .				-	1	-	-	_	1
Water-wrenches				1	1	1	1	2	6
Whips		•		-	-	-	-	1	1

The records of the department show that the members have been, during the year, attentive to their duties, and there is every reason to be pleased with the force in its present condition.

Very respectfully,

DANIEL M. HAMMOND, City Marshal.







CITY OF NEWTON.

REPORT .

OF THE

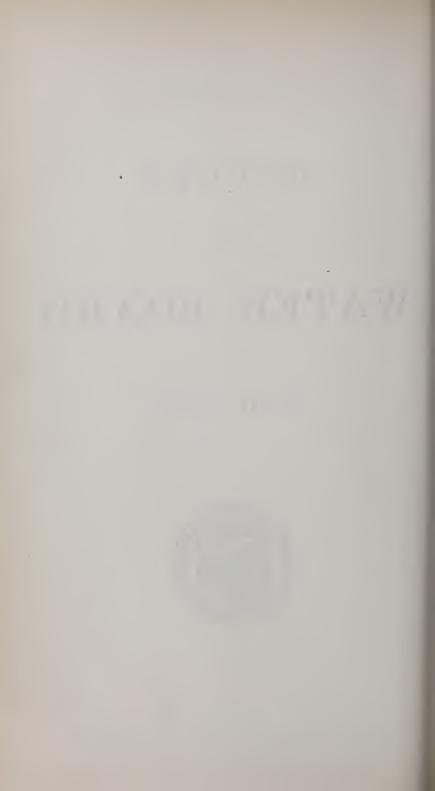
WATER BOARD

FOR 1883.



BOSTON:

FRANKLIN PRESS: RAND, AVERY, AND COMPANY.
1884.











NEWTON WATER-WORKS.

ORGANIZATION FOR 1884.

WATER BOARD:

EDWARD W. CATE, President. Col. FRANCIS J. PARKER.

FRANCIS A. DEWSON.

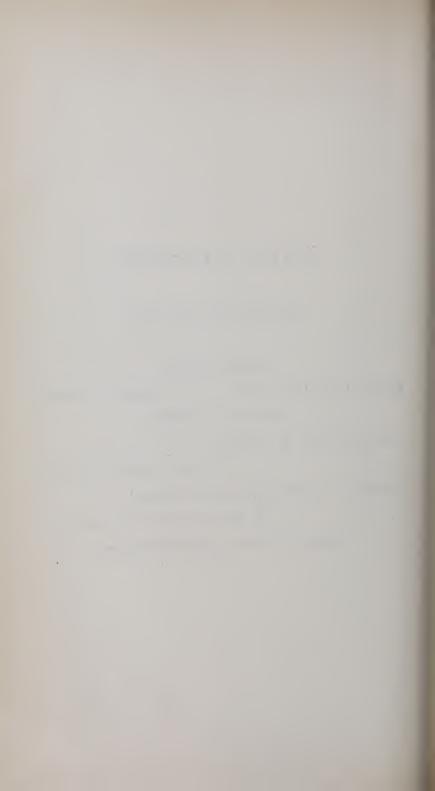
ALDERMAN NOAH W. FARLEY.

COUNCILMAN ALBERT F. UPTON.

ALBERT S. GLOVER, Clerk, and Water Registrar.

H. NELSON HYDE, Jun., Superintendent.

ALBERT F. NOYES, Engineer (City Engineer).



REPORT OF WATER BOARD.

To his Honor the Mayor and the City Council of the City of Newton.

THE Water Board begs leave to submit the following Report of the doings of the Water Department for the year ending Dec. 31, 1883.

The Water Board, during the past year, has consisted of Alderman J. Wesley Kimball, Councilman Fred W. Freeman, Col. Francis J. Parker, Messrs. Francis A. Dewson and Edward W. Cate. At its first meeting the Board organized by the election of Mr. Edward W. Cate as President, and Albert S. Glover, Clerk.

The principal work of the department has been routine, a full and detailed account of which will be found in the tables hereto annexed. The Board, upon its assumption of the management of the department, found that the work upon the new foundations at the pumping station, which had been begun in September, 1882, was far from finished. This work was pushed to completion. The large pumping-engine was transferred to the new foundation, and began its work in its new position Feb. 27.

The auxiliary engine was removed to the lower or basement floor, as in this position its drafting power would be somewhat increased. The other alterations and repairs, rendered necessary by the building of the foundations, and changing of the engines, have been completed; and the grounds, which were badly torn up, have been placed in good order. The new foundations have been in use over ten months, with the most satisfactory results, and it is believed that the trouble which existed at the pumping station for so long a time has at last been remedied.

An examination of the filter basin during the earlier part of the year led the Board to the conclusion that the porce of its sides and bottom had been, to a great extent, filled up by silt, which had collected during the seven years of the existence of the works.

With a view of increasing the supply of water, and of removing any substances which might have a tendency to decrease its purity, the Board asked for an appropriation of \$3,000, to be expended in cleansing the filter basin. The appropriation being received, work was begun June 20, and ended July 10. The exact cost was \$2,783.50.

The Board desires to call the attention of the City Council to the question of securing an additional supply of water.

An examination of the consumption during the last few years shows that it increases in about the same ratio as the increase in new services, which is about seven per cent.

The greatest consumption, of course, comes at the same season of the year as the least supply. Although last summer was exceedingly dry, and almost every city in the Commonwealth was obliged to place restraints upon the use of water, it is a matter of congratulation that the Board was not compelled to restrict the use of water in the least.

During a number of weeks, however, the large engine was kept constantly at work, Sundays excepted.

The average daily consumption during the month of August was 1,042,608 gallons, and the average daily supply drawn from the filter basin was 1,007,042 gallons. The storage loss was 1,037,236 gallons, and reduced the water in the reservoir to within about 3,000,000 gallons of low-water mark. If the consumption should increase seven per cent in 1884, and if the season were dry, the consumption might rise, in the month of August, to 1,115,591 gallons daily. This would cause a storage loss of 3,299,695 gallons, and would bring the water very near to the low-water mark.

During the year the Board instituted a series of experiments, with a view of testing the condition of the works, and also of finding if there were any sources of waste. The results showed the works to be in excellent condition. The experiments, however, tended to show that large quantities of water were used by the owners of hand-hose, and it is thought, that, by a strict enforcement of the ordinance regu-

lating the use of hose, a great saving of water can be effected. In this connection the Board also desires to call the attention of the City Council to the question of high service.

There are a number of districts of the city which are not at all supplied with water by the present system, and still others which are only partially supplied. The table hereto annexed will give the districts, their approximate areas and populations. While there may be no pressing need of a high service, it might be well to consider the question in connection with that of additional supply. If it were thought best to increase the storage capacity of the works, it would probably be best accomplished by placing an additional reservoir upon higher ground.

Complaints have been made, from time to time during the year, of bad taste of the water. These complaints have in all cases been promptly investigated, and the trouble remedied, usually by flushing the mains. Immediately after our most serious complaint, the water was analyzed, with very satisfactory results, by Professor Richards. His report is as follows:—

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, BOSTON, May 10, 1883.

EDWARD W. CATE, Esq.

My dear Sir,—The samples of water sent by you on May 8 have been carefully tested, and yield the following results:—

				Soli	D RESI	DUE.		
		Ammonia.	ALBUMINOID AMMONIA.	Inorganic.	ORGANIC OR VOLATILE.	Total.	CHLORINE.	NITRATES IN WATER CONCENTRATED TO $\frac{1}{20}$ ITS BULK.
			PARTS	PER 100	,000.			
Reservoir . Filter-basin . Water-main .		0.0036 0.0030 0.0010	0.0044 0.0050 0.0014	5.80 4.28 4.40	1.88 0.92 0.40	7.68 5.20 4.80	0.82 0.61 0.60	Trace. Faint trace. Faint trace.
			GRAINS 1	PER GA	LLON.			
Reservoir . Filter-basin . Water-main .	• • •	0.0021 0.0018 0.0006	0.0026 0.0029 0.0008	3.41 2.51 2.58	1.10 0.54 0.23	4.52 3.05 2.82	0.48 0.36 0.35	Trace. Faint trace. Faint trace.

The hardness of the reservoir and of the main water was tested,

and in each case it proved to be equal to 1.50 grains of carbonate of calcium to the gallon.

(Signed)

Respectfully yours,

ROBERT H. RICHARDS,

Professor of Mining.

HIGH SERVICE DISTRICTS.

The tracts of land, and the areas of the same, which cannot be reached by our present water-supply, are as follows. The population we can only give very approximately, without an especial enumeration.

Dī	STE	ict.				Approximate Area.	ESTIMATED POPULA-
Waban Hill . Chestnut Hill . Institution Hill Oak Hill Bald Pate Hill				•		22 acres. 11 " 22 " 20 " 16 "	20 10 100 None at present.
Total	•		•	•	•	91 acres.	130

Districts to which water is supplied into cisterns, or to the first story only, or where the present supply cannot be depended upon:—

District.	Approximate Area.	ESTIMATED POPULA- TION.
Chestnut Hill	45 acres. 23 ''	30 40
Total	68 acres.	70

There may be some districts of Oak Hill—over which we have no levels, and for which no application for water has been made—which would come under this head.

The districts which would be benefited by a high service

system for fire purposes would be, in addition to those already mentioned:—

DISTRICT.	Approximate Area.	ESTIMATED POPULATION.
Mount Ida	39 acres. 50 " 14 " 15 " 10 " 380 " 138 " 45 "	150 50 20 None at present. 50 200 50 40
Total	691 acres.	560

A large part of Oak Hill district, in which no water-pipes have been laid as yet, the population would not probably number over three hundred. We have not sufficient figures to warrant an estimate of the area, probably about eight hundred acres.

HIGH SERVICE DISTRICTS: SUMMARY.

	AREA IN ACRES.	Popula-
Districts which cannot be supplied from reservoir . Districts partially supplied Districts to be benefited for fire purposes	91 68 691	130 70 560
In addition to the above might be added Oak Hill,	850	760
with an estimated area	800	300
Total	1,650	1,060

LENGTH OF SERVICE-PIPES.

The following table gives the length, in feet, of service-pipes to date:—

	,	Wn	EN]	LAI	D.						Number.	LENGTH IN FEET.
To Jan. 1, 18' During 1878 During 1889 During 1880 During 1881 During 1882 During 1883	•	•	•		•	•		•	•		1,497 188 232 228 267 169 159	104,065 15,449 13,670 18,039 14,675 10,904 11,709
Total .	•	•	•	•	•	•	•	•	•	•	2,740	188,511

SUPPLY-PIPES.

The following table shows the location, size, and length of supply-pipes laid during 1883:—

Location.	WARD.	Location.	2-In.	1-In.	TOTAL.
Phipps Place . Mill Walnut	2 2 5	From Walnut, east From end of main, east, Extended south	224 - 140	141 -	224 141 140
		Total	364	141	505

TABLE SHOWING LOCATIONS, SIZES, LENGTHS, ETC., OF MAINS LAID DURING 1883.

491.34	17	11	2,304	7,941	2,656	1,242		al	Total		
1	1	ı	107	1	1	ı		d east	Extended east	9	Winter
1	1	1	1 2	329	1	1		From Washington, south .	From W	4	Washington Avenue .
78.90	1	1	1	1	f	537		Extended south to Mill	Extende	12	Walnut
129.00	1	1	ı	1	1	364		d north	Extended north	01	Walnut
10.83	1	1	203	1	1	1		From High, west	From H	ಲೀ	Summer
14.00		ı	1	1	217	ı		Extended south-east	Extende	6	Station
4.17	1	1	325	1	1	ı		From Crescent, west	From Ci	4	Sharon Avenue
1	12	Ц	1	1	1,889	ı	•	From Hammond, north-east	From H	6	Saltonstall Avenue
1	1	1	48	1	1	1		d north	Extended north	4	Poor Farm Grounds .
1	Н	ш	. 1	ı	399	f		From Watertown, south .	From W		Pearl
1			325	70	3 1	1	•	Washington, north .	From W	~7	Peabody
10.78	, <u>p</u> _	·	3 1	746	ı	ı		Murray, west	From M	110	Otis
3.75	<u>_</u>		ı	442	1	1		From Waverley Avenue, east.	From W	-7	Monument Avenue
1	ш		1	1	1	341		From Walnut, east	From W	10	Mill
4.50	- 1	1	142	1	1	2 1		d north	Extended north	4	Maple
1	1	1	1	299	1	1		d east	Extended east	6	Lake Avenue
1	. 1	1	1	219	1	1	•	d east	Extended east .	-7	Hunnewell Avenue
1	1	ı	332	1,077	1	1		d south	Extended south	0	Hammond
1	. 1	1	264	1	1	1		From Walnut, west	From W	2	Foster
1	1	1	240	1	1	1		From Bowdoin, west	From Bo	<u>ئ</u>	Forest
1	1	ı	1	455	1	1		d west	Extended west.	-	Fairmont Avenue
136.50	, ј	1	ı	460	1	1		Extended east	Extende	6	Elgin
	10	1	1	1,848	1	1		From Waltham west	From W	ಲ	Derby
1	,	. 1	ı	179	1	1		d north	Extended north	-	Dalby
1	- 1	1	1	1	142	1		From California, west	From Ca	2	Crafts
51.1	1		318	64	9	ı		From Elliot, north-west .	From El	ت. ت	Cottage
	1	1	1	130	, 1	1		Extended north	Extende	6	Cedar
1	1	_	1	323	1	ı		From Auburn, west	From A	4	Bourne
1	-	1	1	607	ı	ı		Extended west	Extende		Bennington
47.80	·	1	ı	663	1	1		From Pembroke, east	From Pe	-7	Arlington
ROCK.	The state of the s	COARD	4-In.	6-In.	8-IN.	12-IN.		HOCALLON		WA	CIRELI.
Cur	CATES HYDRANTS	CATTER		DENGTH IN PEET OF EACH SIZE	TINPER	TENGTE		LOCATION		RI	

MAIN PIPE LAID DURING 1883.

RECAPITULATION.

Length of	12-inc	h pip	e laid	l			1,242 feet
Length of	8-inch	pipe	laid	•			2,656 feet
Length of	6-inch	pipe	laid				7,941 feet
Length of	4-inch	pipe	laid				2,304 feet
, in the second						_	
Total			•				14.143 feet

MAIN PIPE, OF ALL SIZES, LAID TO DEC. 31, 1883.

Total	Laid previous to Jan. 1, 1878 Laid in 1878 Laid in 1879 Laid in 1880 Laid in 1881 Laid in 1882 Laid in 1883		When Laid.
761	761	24-In.	
18,012	18,012	20-In.	L
2,457	2,457	16-IN.	ENGTH IN H
62,011	58,932 1,083 754 - 1,242	12-IN.	LENGTH IN FEET OF DIFFERENT SIZES.
60,283	53,321 180 947 1,484 484 1,211 2,656	8-IN.	FFERENT S
173,888	116,815 8,391 13,148 9,728 7,449 10,416 7,941	6-In.	IZES.
39,887	23,235 2,085 3,122 4,053 2,483 2,605 2,304	4-In.	
357,299	273,533 10,656 18,300 16,019 10,416 14,232 14,143	TOTAL.	

Total length mains laid to date, 357,299 feet, or 67.60 miles.

SERVICE-PIPES LAID DURING 1883.

	Total.	LENGTH IN FEET.	34.70				1,688.10	1,266.70	762.15	796.95	1,419.80	1,198.50	2,618.30	1,034.35		159 11,708.80
		No.	-	_	20	17	17	50	12	10	15	20	22	19		159
	g-Inch.	LENGTH IN FEET.	ı	ı	ı	47 00	1	1	ı	1	1	1	ı	ı		47.00
	1000	No.	1	1	1	_	ı	ł	1	ı	ı	1	1	1		П
	-INCH.	LENGTH IN FEET.	34.70	13.20	130.50	475.30	818.60	733.20	633.45	366.55	08.989	948.40	836.95	501.75	•	6,179.40
	No.		-		෨	11	14	15	11	~	10	18	17	12		120
, and	1-Inch.	LENGTH IN FEET.	ı	1	26.10	153.20	869.50	527.80	128.70	430.40	459.70	250.10	499.05	532.60		33 3,877.15 120 6,179.40
PIPE		No.	1	1	CI	4	က	ಬ	_	က	က	c1	က	~		933
Size of	Size of Pipes. 14-Inch. LENGTH No.		l	1	1	1	1	5.70	1	1	1	1	562.60	1		568.30
	T T	No.	1	1	1	1	1	1	1	1	1	1	-	1		-
	13-Inch.	LENGTH IN FEET.	ı	1	1	ı	1	1	ı	1	1	1	719.70	1		719.70
	11	No.	ı	1	1	1	1	1	ı	1	1	1		ı		-
	2.Inch. No. LENGTH IN FEET.		1	ı	1	43.95	1	1	1	1	273.30	ı	1	1		317.25
			ı	1	1	-	1	1	ı	1	c)	1	1	1		က
	Month.			February	March	-April	May	June	July	August	September	October	November	December		Total

STATEMENT OF SERVICES IN USE DEC. 31, 1883. Number of services laid throughout the city Dec. 31, 1883 2,740 Number of services shut off for non-payment, remaining off Dec. 31, 1882 . . . 11 Number of these services turned on during the past year Leaving of these still shut off . Number of services shut off for non-payment during the past year Number of these turned on again during the past year . . . 1 Leaving of these still shut off . . . Number of services turned off by request, remaining off Dec. 31, 1882. 93 Number of these turned on during the past year . . . 40 Leaving of these still shut off . **—** 53 Number of services turned off by request during the past year . . . 93 Number of these turned on again during the 63 __ 30 Number of services once turned on, remaining off Dec. 31, 1883 . 89 Number of services never turned on . 107 Total number of services remaining off Dec. 31, 1883 . . - 196 Leaving number of services in use Dec. 31,

METERS.

1883 . . .

There have been set during the past year 97 meters, of which 90 are half-inch Crown, 2 are inch Crown, 1 is a three-inch Crown, 2 are five-eighths inch Worthington, 1, a five-eighths inch Desper, and 1, a two-inch Union Rotary.

The following table gives the classification of meters now in use:—



2,544

CLASSIFICATION OF METERS.

Description.				Size.				TOTAL.
DESCRIPTION.	½-In.	5-In.	3-In.	1-In.	1½-In.	2-In.	3-In.	TOTAL.
Worthington . Union Piston, Union Rotary, Crown Spooner Desper Boston	- - 159 - -	302 203 44 - - 3 -	6 19 3 - 2 - 1	3 1 4 7 - -	- - 1 - -	- 1 - - -	1 - 1 - -	312 223 52 168 2 3
Total	159	552	31	15	1	1	2	761

WATER PUMPED AND CONSUMED.

During 1883 there were pumped 229,317,924 gallons of water, about 13,000,000 more than were pumped in 1882. The average daily consumption during the past year was 624,381 gallons.

The following table gives the average daily consumption by months during the past six years:—

Month.	1878.	1879.	1880.	1881.	1882.	1883.	
January February	286,234 274,792 227,484 221,508 294,278 369,844 557,446 386,916 374,517 343,431 304,208	309,645 300,275 300,048 297,850 388,671 455,924 488,733 502,418 387,366 370,238 361,446	386,524 341,920 325,996 381,002 514,382 719,348 515,623 540,408 530,826 419,474 384,683	406,212 397,346 354,168 392,617 466,234 475,573 520,529 510,214 550,974 467,155 440,689	445,257 470,841 541,149 477,540 510,951 646,752 764,985 944,486 712,994 601,595 520,946	526,943 481,437 503,804 494,281 568,500 719,838 818,209 1,042,608 882,348 511,039 482,570	
December . Daily average,	297,890 328,212	336,777	364,196 452,032	426,752	591,930	460,994 624,381	

RECEIPTS FOR THE YEAR 1883.

Received on account of water-rates				
of 1883	\$29,308	12		
Received on account of water-rates				
of 1882	1,568	27		
Received on account of meter-rates,	18,414	03		
Received on account of build'g-rates,	37	53		
			\$49,327	95
Received for service-pipes	\$3,083	57		
Received for meters and setting .	2,157	55		
Received for repairing meters	338	67		
Received for repairing services .	15	60		
Received for turning off and on wa-				
ter, sealing fixtures, etc	132	11		
Received for material sold	614	28		
			6,341	78
Total receipts during 1883 .			\$55,669	73

EXPENDITURES FOR THE YEAR 1883.

MAINTENANCE ACCOUNT.

Amount of appropriation Expense of water registrar's office, including salary of registrar, in-			\$13,500	00
spector, travelling, and miscellaneous expenses Expense of superintendent's office,	\$2,675	77		
including salary of superintendent, travelling, miscellaneous, and pipe-yard expenses	2,132	62		
Expense at pumping station, including salaries of engineer, fireman, and watchman, fuel, repairs, and				
supplies	5,858	90		
Expense of maintenance of reservoir,	533	81		
Expense of maintenance of mains .	577	40		
Expense of maintenance of hydrants, Expense of maintenance of service-	250	79		
pipes	238	04		

Expense of maintenance of filter-basin \$663 64		
Expense of maintenance of stand-		
pipes 90 63 Expense of maintenance of city		
teams		
Miscellaneous expenses 208 52		
	\$13,482	51
Balance of appropriation unexpended	\$17	49
SPECIAL APPROPRIATION FOR CLEANSING FILT	ER-BASI	N.
Amount of appropriation	\$3,000	00
Amount expended	2,783	50
Balance unexpended	\$216	50
SERVICE AND METER ACCOUNT.		
Amount of appropriation	\$5,500	00
Expended for services (new) . \$2,728 20		
Expended for meters (new) 1,649 27 Expended for maintenance services . 71 90		
Expended for maintenance services. 71 90 Expended for maintenance meters . 489 18		
Expended for inspection		
Expended for city teams 178 00		
Expended for flooding fields 30 68		
Expended for sundries 12 26	~ 400	0.5
	5,498	60
Balance unexpended	\$1	35
CONSTRUCTION ACCOUNT.		
Expended on account of new mains	\$19,698	10
Expended on account of new hydrants	1,420	
Expended on account of new services	4,362	
Expended on account of new stand-pipes	210	
Expended on account of new water-gates	943 594	
Expended on account of tools and repairs.	004	00

Long, and Moore \$1,038 95

Expended on account of suit versus Devlin,

	. , ,	
Expended on account of city teams	319	04
Expended on account of new dwelling	341	35
Expended on account of pumping station		
grounds	646	31
Expended on account of new pipe-shed	175	
Expended on account of pumping station im-		
	7,279	97
Expended on account of miscellaneous expenses,	9	
appearance on account of miscontinuous as carponaces,		
	\$37,040	69
CR.		
Received from Devlin, Long, and		
Moore suit \$4,624 13		
Received from sale of stone 20 00		
Received from sale of pipe 594 28		
	5,238	41
Net expenditure for construction		
during 1883	\$31,802	28
Net expenditure for construction		
previous to 1883	911,189	65
N		
Net expenditure for construction,	Φ0.4Ω.00 1	0.9
Dec. 31, 1883	\$942,991	95
INTEREST ACCOUNT.		
Amount appropriated and expended for interest		
on water-bonds during 1883	\$50,000	00
on water-bonds during 1000	ψυυ,υυυ	00
Respectfully submitted.		
(Signed) THE NEWTON WATER BOA	RD,	
By Edward W. Cat	•	ent.
and the contract of the contra	_, _ , 00000	

COMPARATIVE STATEMENT OF RECEIPTS AND EXPENDITURES FROM 1878 TO 1883 INCLUSIVE.

		DEFICIENCY.		\$35,799 52 28,907 57 21,258 96 25,840 93 21,115 27 17,609 21
	Receipts.		Total.	\$25,775 62 30,294 20 39,926 98 40,692 76 47,886 98 55,055 45
			Services and Meters.	\$5,280 55 3,138 68 6,192 40 5,206 48 5,454 59 5,727 50
		RATES.	OTHER SOURCES.	\$17,598 33 21,023 02 24,815 58 26,953 10 32,703 38 36,476 73
		WATER-RATES.	FROM CITY.	\$5,896 74 6,132 50 8,919 00 8,533 18 9,729 01 12,851 22
	Expenditures.		Toral.	\$61,575 14 59,201 77 61,185 94 66,533 69 69,002 25 72,664 66
			SERVICES AND METERS.	\$6,997 45 4,860 57 4,212 24 4,951 20 5,590 63 5,498 65
			MAINTENANCE, SERVICES AND METERS.	\$9,777 69 8,841 20 9,223 70 12,682 49 13,811 62 16,266 01
			INTEREST.	\$44,800 00 45,500 00 47,750 00 48,900 00 49,600 00 50,900 00
		YEAR.		1878

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEWTON.

1883.

NO. XLIV.



BOSTON:

ALFRED MUDGE & SON, PRINTERS, No. 24 Franklin Street. 1884.



ORGANIZATION OF THE SCHOOL COMMITTEE.

JANUARY, 1883.

HON. WILLIAM P. ELLISON, MAYOR, CHAIRMAN, ex officio. EDWIN W. GAY, PRESIDENT COMMON COUNCIL, ex officio. REV. AMOS E. LAWRENCE, CHAIRMAN. ISAAC HAGAR, SECRETARY. JOHN E. KIMBALL, SUPERINTENDENT.

Elective Members.						Wards.	Term of off	ice expires	
EDMUND W. CONVERSE	2						I.	January	, 1886.
CHARLES H. STONE							I.	"	1886.
JOHN W. DICKINSON							II.	66	1886.
A. AMELIA SMEAD .							II.	4.6	1886.
JULIUS L. CLARKE .							III.	6.6	1885.
FISHER AMES* .		7					III.	6.6	1884.
WILLIAM S. SMITH .							IV.	6.6	1885.
ISAAC HAGAR							IV.	66	1885.
JOHN A. GOULD .							v.	66	1884.
EDWIN P. SEAVER .							V.	66	1884.
EMILY W. HYDE							VI.	66	1884.
Amos E. Lawrence							VI.	66	1884.
GEORGE W. SHINN .							VII.	66	1884.
LINCOLN R. STONE .							VII.	6.6	1885.

^{*} Elected to fill a vacancy.

STANDING COMMITTEES.

High School.— Amos E. Lawrence, Fisher Ames, John W. Dickinson, William S. Smith, George W. Shinn, Edmund W. Converse, Edwin P. Seaver, and the Mayor, ex officio.

Rvening Schools. - George W. Shinn, Lincoln R. Stone, John W. Dickinson.

Music. - Lincoln R. Stone, A. Amelia Smead, Emily W. Hyde.

Drawing and Writing. - A Amelia Smead, Charles H. Stone, Emily W. Hyde.

Industrial Drawing. - John A. Gould, Charles H. Stone, Edwin W. Gay.

Text-Books. — Amos E. Lawrence, William S. Smith, Julius L. Clarke.

Rules and Regulations. - George W. Shinn, Amos E. Lawrence, Edwin P. Seaver.

Salaries. — Edmund W. Converse, Edwin W. Gay, Fisher Ames. Schoolhouses. — Isaac Hagar, Charles H. Stone, Lincoln R. Stone.

Accounts and Printing. - Isaac Hagar, Fisher Ames, Julius L. Clarke.

DISTRICTS.

NEWTON CENTRE.

AMOS E. LAWRENCE, Newton Centre.

EMILY W. HYDE, Newton Highlands,

EDWIN P. SEAVER, Newton Highlands.

EDWIN W. GAY, Newton.

UPPER FALLS.

JOHN A. GOULD, Newton Upper Falls.

ISAAC HAGAR, Newton Lower Falls.

EMILY W. HYDE, Newton Highlands.

Amos E. Lawrence, Newton Centre.

EDWIN P. SEAVER, Newton Highlands.

LOWER FALLS.

WILLIAM S. SMITH, Auburndale. FISHER AMES, West Newton.

ISAAC HAGAR, Newton Lower Falls.

WEST NEWTON.

JULIUS L. CLARKE, West Newton.

John W. Dickinson, Newtonville.

A. Amelia Smead, Newtonville.

WILLIAM S. Smith, Auburndale.

NEWTONVILLE.

JOHN W. DICKINSON, Newtonville.

A. AMELIA SMEAD, Newtonville.

LINCOLN R. STONE, Newton.

EDMUND W. CONYERSE, Newton.

NEWTON.

LINCOLN R. STONE, Newton.

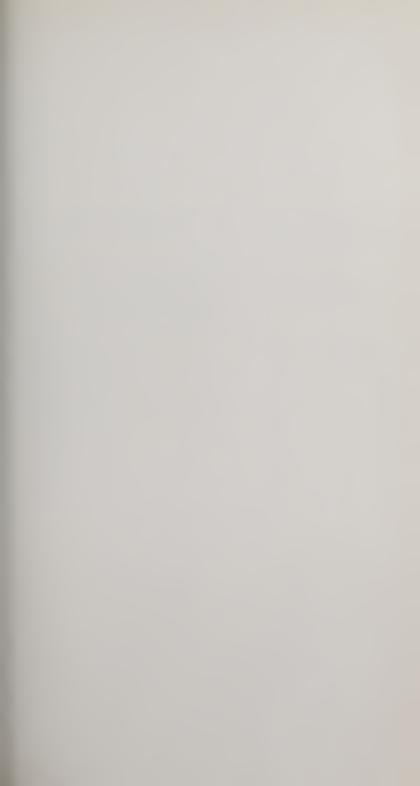
EDMUND W. CONVERSE, Newton.

EDWIN W. GAY, Newton.

CHARLES H. STONE, Newton.









ORGANIZATION OF THE SCHOOL COMMITTEE.

JANUARY, 1884.

HON. J. WESLEY KIMBALL, MAYOR, CHAIRMAN, ex officio. SAMUEL L. POWERS, PRESIDENT COMMON COUNCIL, ex officio. JULIUS L. CLÁRKE, CHAIRMAN. ISAAC HAGAR, SECRETARY. JOHN E. KIMBALL, SUPERINTENDENT.

Elective Members.					1	Wards.	Term of office	e expires
EDMUND W. CONVERS	E					I.	January,	1886.
CHARLES H. STONE						I.	"	1886.
John W. Dickinson						II.	4.6	1886.
A. Amelia Smead						II.	66	1866.
JULIUS L. CLARKE						III.	66	1885.
FISHER AMES* .						III.	66	1885.
WILLIAM S. SMITH						IV.	64	1885.
ISAAC HAGAR						IV.	66	1885.
JOHN A. GOULD .						v.	66	1887.
ALBERT B. PUTNEY						v.	6.6	1887.
CHARLES C. BARTON						VI.	4.6	1887.
WILLIAM D. PHILBRIC	K					VI.	66	1887.
GEORGE W. SHINN					•	VII.	64	1887.
LINCOLN R. STONE			٠			VII.	46	1885.

^{*} Elected to fill a vacancy.

STANDING COMMITTEES.

High School. — Julius L. Clarke, Fisher Ames, John W. Dickinson, William S. Smith, George W. Shinn, Edmund W. Converse, Charles C. Barton, and the Mayor, ex officio. Evening Schools. — George W. Shinn, Lincoln R. Stone, William D. Philbrick.

Music. — Lincoln R. Stone, A. Amelia Smead, Albert B. Putney.

Drawing and Writing. - A. Amelia Smead, Charles H. Stone, Albert B. Putney.

Industrial Drawing. — John A. Gould, Charles H. Stone, Samuel L. Powers.

Sewing.—A. Amelia Smead, George W. Shinn, William D. Philbrick.

Text-Books. — Julius L. Clarke, William S. Smith, Charles C. Barton.
Rules and Regulations. — George W. Shinn, John W. Dickinson, William S. Smith.

Salaries. — Edmund W. Converse, Samuel L. Powers, Fisher Ames.

Schoolhouses. — Isaac Hagar, Charles H. Stone, Lincoln R. Stone.

Accounts and Printing. - Isaac Hagar, Fisher Ames, Julius L. Clarke.

DISTRICTS.

NEWTON CENTRE.

CHARLES C. BARTON, Newton Centre.

JOHN A. GOULD, Newton Upper Falls.

SAMUEL L. POWERS, Newton.

WILLIAM D. PHILBRICK, Newton Centre.

ALBERT B. PUTNEY, Newton Highlands.

UPPER FALLS.

JOHN A. GOULD, Newton Upper Falls.

1saac Hagar, Newton Lower Falls.

ALBERT B. PUTNEY, Newton Highlands.
WILLIAM D. PHILBRICK, Newton Centre.

CHARLES C. BARTON, Newton Centre.

LOWER FALLS.

WILLIAM S. SMITH, Auburndale. FISHER AMES, West Newton.

ISAAC HAGAR, Newton Lower Falls.

WEST NEWTON.

JULIUS L. CLARKE, West Newton.

JOHN W. DICKINSON, Newtonville.

FISHER AMEN, West Newton.

WILLIAM S. SMITH, Auburndale.

A. AMELIA SMEAD, Newtonville.

NEWTONVILLE.

JOHN W. DICKINSON, Newtonville.

A. AMELIA SMEAD, Newtonville.

LINCOLN R. STONE, Newton.

CHARLES H. STONE, Newton.

EDMUND W. CONVERSE, Newton.

NEWTON.

LINCOLN R. STONE, Newton.

EDMUND W. CONVERSE, Newton.

SAMUEL L. POWERS, Newton.

CHARLES H. STONE, Newton.

CITY OF NEWTON.

IN BOARD OF SCHOOL COMMITTEE, Sept. 26, 1883.

The Chair appointed the following-named members as the committee to prepare the Annual Report; viz., Amos E. Lawrence, Edwin W. Gay, Edwin P. Seaver, John A. Gould, and Julius L. Clarke.

Dec. 26, 1883.

The Annual Report was presented by Rev. Amos E. Lawrence, and accepted.

Jan. 9, 1884.

Ordered, That twenty-eight hundred copies of the Annual Report be printed.

ISAAC HAGAR,

Secretary.



CONTENTS.

ORGANIZATION									PAG
GENERAL REPORT OF THE S	cuoc				•	•	•		3-
FIGH SCHOOT			OMMI	TTEE	٠		v		11-18
Graduates	•	٠	•	•	•				16-33
GRAMMAR SCHOOLS	٠	•		•					26-33
Newton Centre District	•	•			•				34-53
Upper Falls District .	•	٠	•		-				34-36
Lower Falls District.	٠	٠	-						37-40
West Newton District	٠	•	•						41-44
Newtonville District.	٠	٠				٠	,		45-47
Namton Dist.	٠	٠							48-51
EVENTNO COM	•	٠							52-53
Merce	•		•						54
	•	٠							55
INDUSTRIAL DRAWING . SEWING .									56-57
									58-59
SUPERINTENDENT'S REPORT							,		61-95
Statistics						,		Ċ	89-95
ROLL OF TEACHERS									96-101
SECRETARY'S REPORT									
LIST OF TEXT-BOOKS									02-103



REPORT OF THE SCHOOL COMMITTEE.

TO THE CITIZENS OF NEWTON: -

In submitting herewith their Forty-fourth Annual Report, the School Committee of Newton congratulate their fellow-citizens anew on the results of their system of public education. That it is a costly system is not to be denied. The fact that it is continued, however, from year to year, is proof that it is acceptable to our fellow-citizens, notwithstanding its expensiveness. It is, in fact, a system of more than regal munificence; and to the thoughtful observer it is one of the most significant features of our government. That a city of seventeen or eighteen thousand inhabitants should be willing to spend a hundred thousand dollars annually on its schools, or about one fourth of the gross amount of its income from taxes, - devoting this money not to the aggrandizement of the city, nor to the amusement or diversion of a restless and dangerous populace, but to the mental training of her children,—is something more than munificent. The policy is a wise one also,—as sagacious and farsighted as it is liberal. Of this, every year's experience brings new proof. The policy has characterized Newton from the first, and finds its ample justification in the fruits it bears. That it is perfect in all its workings, no one claims. That the wisdom and experience of the future will not modify it in some of its features, and point out some better methods of school

training than those now approved and practised, no one doubts. Indeed, the best evidence of its life is that it is growing. It must advance. The very mistakes we have made — errors of judgment, not of negligence — will save us from repeating them, and have cleared the atmosphere for the future. But one thing we shall not change, and that is the policy of liberal appropriations. Let this be reversed,—let it be supplanted by one of timid or niggardly sparing,and the mistake would soon be revealed. Newton would suffer loss thereby, not only in the reputation of her schools, but in the city treasury also, furnishing a new illustration of the old truth,—"There is that withholdeth more than is meet, but it tendeth to poverty." Our schools have brought us worthy citizens and taxable wealth, and especially that youthful vigor and enterprise that instinctively shun an overcautious and stagnant town. To those who are looking for a home, a hundred thousand dollars a year expended for schools is an argument readily understood, and needing no further elaboration than its simple publication. Moreover, a well-taught community is a well-governed one. The school teacher, if competent, is the best arm of the police; for by the training he gives he makes the citizen his own governor. It is only a logical result that in such a community the dram-shop is closed and private rights are respected. A community thus patiently seeking the higher culture must attract to itself the cultured. And for the same reason wealth also will be drawn to it, that it may place itself under the shield of a broader law than that of legal enactment,—the law of selfrespect ruling in the breast of each of its educated citizens.

Newton became a city in 1873. The aggregate expenditures of these ten years, exclusive of sums spent on new buildings, has been \$884,431.85, an average, that is, of \$88,443.18 $\frac{1}{2}$ a year. The details are as follows:—

Expenditure for 1874				\$97,353	65
Expenditure for 1875				96,649	23
Expenditure for 1876				86,533	64
Expenditure for 1877				83,917	89
Expenditure for 1878				83,208	63
Expenditure for 1879				82,260	08
Expenditure for 1880				83,613	47
Expenditure for 1881				83,700	27
Expenditure for 1882				91,252	72
Expenditure for 1883				95,942	27

The maximum average whole number of pupils at the public schools in 1873 and 1883, respectively, was as follows:—

~						1000
Schools	•				1873.	1883.
High .					201	313
Mason .					265	404
Oak Hill .					42	28
Thompsonvi	ille.					40
Hyde .					76	185
Prospect.					244	232
Hamilton					118	103
Williams .					197	268
Pierce .					165	195
Davis .					222	203
Franklin .					62	160
Adams .					146	210
Classin .					123	166
Jackson .					228	299
Bigelow .					390	312
Underwood						185
Lincoln .					82	50
	Total				2,561	3,353

In the report of the board for the year 1881, and again in 1882, attention was called to the needs of this department in the matter of additional accommodation for the steadily increasing number of our pupils. During the past year appropriations have been made by the City Council to meet in part this want, and two new schoolhouses are now being erected, and are well advanced towards completion. It is expected that they will be ready for occupancy before the commencement of the school year of 1884. Besides this, a considerable sum has been expended in repairs and alterations, made necessary, in part at least, by mistakes in the original designs for the buildings.

Ward 6 still needs an additional building for the relief of the Mason School, and the city will probably be called upon next year, 1884, to furnish the funds for its erection.

The committee cannot omit from this report an acknowledgment of their indebtedness to Mr. and Mrs. S. R. Urbino, of this city, for a valuable collection of specimens of natural history and other objects of educational value, presented by them to be the permanent property of the city. This collection has been deposited in the High School building, in an appropriate and beautiful case, of ready access to the pupils of the schools and the public generally, and will be known as the "Urbino Collection."

In this connection, also, we take great pleasure in acknowledging the donation by Mr. William E. Sheldon, of West Newton, of a valuable collection of educational books, about one hundred volumes, to the Pierce School, for the use of the pupils and teachers.

The committee invite attention to the accompany-

ing report of the Superintendent of Schools, as embodying in its details of the year, and in its discussions and recommendations, very much that is of primary importance to the welfare of the schools.

The report of the Secretary will also be found appended; and also extracts from various reports of committees appointed by the board.

AMOS E. LAWRENCE,

Chairman.

HIGH SCHOOL.

The High School, until the close of the school year ending June 29, 1883, was under the charge of the same teachers as at the time of rendering the last annual report. The only change in the corps of teachers, during the school year which began last September, has been occasioned by the resignation of Mrs. Bowler, our faithful and accomplished teacher of drawing. Circumstances requiring that she should relinquish teaching entirely for the present, she has withdrawn from the position which she has filled so long and so well. The vacancy thus occasioned has been filled by the appointment of Miss Adeline V. Pond, a former pupil of Mrs. Bowler's, and a graduate of the High School, who has thus far most successfully carried on the work of the department.

The total number of pupils in the school during the school year 1882-3 was three hundred eleven, nine more than the previous year. The following table may be of interest showing the changes in attendance during the last ten years:—

	YE	AR E	NDIN	G JUN	IE.	Total Number.	Average Number.	Average Attendance.
1874 1875 1876 1877 1878 1879 1880 1881 1882 1883						295 237 272 261 276 282 319 313 302 311	204 221 233 244 256 253 277 269 274 270	193 207 221 229 239 233 258 252 258 252

The total number for the present year up to the date of writing, Jan. 15, 1884, is three hundred twenty-eight.

The distribution of the pupils by classes and courses of study will be seen in the following tables:

TABLE I.

		Cl	LASS.			Boys.	Girls.	Total.
I. III. IV.	•		•	•	 •	25 27 46 51	25 27 50 60	50 54 96 111
						149	162	311

TABLE II.

	CLASS.				Classical.	Mercantile.	Special.	Total.
I II IV	•	•	•	29 27 51 48 155	15 14 20 22 71	0 3 13 12 28	6 10 12 29 57	50 54 96 111 311

TABLE III. - Boys.

	CLASS		General.	Classical.	Mercantile.	Special.	Total.
I II III IV	•	:	10 10 15 15 15	12 9 10 19 50	$ \begin{array}{c c} 0 \\ 3 \\ 13 \\ 11 \end{array} $	3 5 8 6 	25 27 46 51 149

TABLE IV .- GIRLS.

CLASS			General.	Classical.	Mercantile.	Special.	'	Total.		
I III IV	II									
			105	21	1	35		162		
				· · · · · · · · · · · · · · · · · · ·	1					
Whole number	(9 m	ore tl	nan last y	ear) .				311		
Average whole	num	ber						270		
Average daily a	ttend	lance						250		
Per cent attend	ance							92.5		
Whole number	boys	(5 m	ore than	last year))			149		
Whole number	girls	(4 m	ore than	last year))			162		
Whole number in General Course (16 more than last year) .										
Whole number in Classical Course (10 fewer than last year) .										
Whole number	in M	ercan	tile Cour	se (1 few	er than la	st year)		28		
Whole number	in Sp	ecial	Courses	(4 more t	han last y	year)		57		

AVERAGE AGE, SEPTEMBER 4, 1882.

Class I. $17\frac{9}{12}$ years.				Last year, 18
Class II. $16\frac{7}{12}$ years.				Last year, 1612
Class III. $15\frac{10}{12}$ years.				Last year, $15\frac{11}{12}$
Class IV. 153 years.				Last year, $15\frac{4}{10}$

GRADUATING CLASS.

Of the class graduated last June, forty-one took the full four-years' course (thirteen classical, twenty-eight general), and the remaining nine a three-years' course. The whole number graduated was fifty. Of these, six entered Harvard College, four the Massachusetts Institute of Technology, four Boston University, two the Harvard Medical School, one each

Yale College, Williams College, Wellesley College, and the Kindergarten Normal School.

As in accordance with established precedent, the list of the graduates of the High School is to be printed in full at intervals of five years, it is appended to the present report, the list having been printed last in the report for 1878. As some pages will thus be occupied, attention will further be drawn only to some of the more important matters of interest in connection with the school.

In the course of study as established by the Committee, prominence is deservedly given to scientific studies. From the very character of these studies, they cannot be taught by the use of the text-book alone. The facts and principles must be presented in visible and tangible form, and the pupil's power of observation must be trained and rendered exact. It is obvious that to do this successfully, considerable apparatus is needed, especially in illustrating experiments in physics. For the last two years a small appropriation has been made for the purpose of increasing the stock of apparatus on hand, and it is to be hoped that this precedent will be followed from year to year, until all the more important illustrations of the principles of chemistry and of natural philosophy can be used, in co-operation with the printed page of the text-book, and with the enthusiasm and oral instruction of the teacher. During the first term of the present school year, such interest in the subject was developed in the classes in physics, that the pupils, at their own instance, raised more than \$50 among their parents and friends, for the purchase of additional illustrative apparatus. Although the contribution

was welcome, it is plain that this method of filling the needs of the school is for many reasons undesirable. Ample case room is still vacant, and a small but regular annual appropriation would before long fill the cases with a most valuable equipment in the important department of the sciences.

In the class beginning the study of English and English literature, the experiment has now been tried throughout an entire year of dispensing with a text-book on the subjects which Abbott's "How to Write" was intended to cover. In place of such a book, notes have been dictated to the classes, covering the more important elements of correct English, and pointing out the errors and mistakes actually found to be those most frequently occurring. The experiment has proved successful, and unless the Committee decide otherwise, no text-book will for the present be recommended for use in this branch of study.

During the long vacation of 1883, a large portion of the furniture of the school was much improved in appearance by being cleaned, repaired, and painted. A portion still remains needing similar attention. Much of this furniture had been in use from the first opening of the school, and plainly was greatly in need of renovation.

Perhaps the most important topic presenting itself with reference to the High School is the policy to be decided upon, in proportioning the number of teachers to the number of the pupils. The limit has certainly been passed, at which the teachers can be held responsible for such success in their teaching as they and the Committee would desire. As was stated above, the

whole number of pupils in the school since Sept. 3, 1883, has been three hundred twenty-eight, and up to the date of writing the average number belonging has been over three hundred. The whole number in the class in algebra at the beginning of 1884, including the pupils in the upper classes that are reviewing this study, was one hundred fifty-five. The necessities of the programme rendered only three divisions possible in this class. It is fortunately the case that this is an extreme instance, but all of the teachers are now worked harder than is consistent with their health, or with the best success of their efforts in teaching. The suggestion has been made, that the size of the school be limited, by raising the standard of admission, and that the number of pupils be not suffered to rise above three hundred. It is true, that a comparison with the statistics of other cities would show, that perhaps in no other city is the High School attendance so large a percentage of the population, as in Newton. But it is not likely, that the School Committee, or the intelligent population which they represent, will consent to an abridgment of the educational advantages offered to their children. The only other means of meeting the difficulty is by an addition to the teaching force. Unless the prospect for next year shall be of a much smaller High School attendance than now seems at all probable, the appointment of another assistant teacher in the school would appear an absolute necessity.

In conclusion, it may not be amiss, to make a suggestion with reference to the very considerable public burden, which a generous support of secondary education, free to all those qualified to partake of it,

inevitably brings upon the city treasury. It furnishes an opportunity to those possessed of wealth, not only to build a monument to their memory "more enduring than bronze," but also to secure the nobler and worthier object, of making their wealth a blessing to future generations, as long as civilization shall endure. Our colleges and universities are constantly and deservedly receiving endowments, without which they could not furnish their training at a tuition comparatively only nominal. An equally commendable use of wealth would be the erection within one's own city of a commodious High School building, or the endowment of such a school with funds for the payment of its teachers. Such has been the foundation of many of the great schools of Europe, and in our own country, towns and cities have from time to time received gifts of this character. Among these may be mentioned, in our own State, the town of Ashburnham and the city of Fall River. In Newport, R. I., with a high school attendance of one hundred eight, the Rogers endowment provides a fine building and a corps of seven teachers, of whom the principal is paid a salary of \$3,500. Some portion of the annual cost of the school is sustained by the city; but so thoroughly equipped a school the city would scarcely support at its sole expense. Is it too much to hope that examples of this kind may some day be imitated in Newton?

GRADUATES OF THE HIGH SCHOOL, 1883.

FOUR-YEARS' COURSE.

CLASSICAL.

ABBY B. BATES.

EDGAR BUCKINGHAM.

MORTON E. COBB.

JULIA N. COLE.

HERMAN T. COOLIDGE.

BANCROFT L. GOODWIN.

WILLIAM GOODYEAR.
FRANK C. HOWE.
GEORGE P. KNAPP.
LIZZIE SHINN.
JAMES SULLIVAN, JR.
ALONZO R. WEED.

ARTHUR H. WILDE.

GENERAL.

CHARLES L. BARTLETT.
GEORGE A. BERRY.
ROBERT W. BUSH.
FANNY B. CARPENTER.
JEANNETTE W. COBB.
WINTHROP COLE.
JOHN A. DANIELS.
LILLIAN EDDY.
MARY A. FOWLE.
GEORGE W. GILBERT.
LILIAN G. HAYDEN.
ANNIE A. JACKSON.
OLIVE E. KNOWLES.
FRANK E. LECOMPTE.

ALICE M. NEWELL.

MARION E. NICKERSON.

MINNIE H. POWELL.

MINER ROBINSON.

FRANCES E. SAWYER.

ADDIE A. SCOTT.

D. WALDO STEARNS.

SARAH J. STORMS.

MARY P. SYLVESTER.

NELLIE A. VOSE.

ALBERTA H. WARD.

GEORGE H. WARE.

GRACE A. WARREN.

HELEN WHEELER.

THREE-YEARS' COURSE.

LIZZIE C. ALLEN.
MARY G. HARKINS.
WELLES E. HOLMES.
JAMES H. MEEKINS.

ELLA M. A. PARKER.
FLORENCE A. PHELPS.
ELLEN L. SAMPSON.
ALICE L. STOWELL.

ANGIE B. TOWNE.

MATHEMATICAL DEPARTMENT.

The unwelcome and untoward event of the year in this department was the withdrawal of Mr. Kent to the charge of the High School in the capital of a neighboring State. The record which Mr. Kent has been making year after year in our High School work has rendered his continuance in a subordinate position more and more improbable. Therefore it was with no surprise, though with great reluctance and regret, that we were called upon to surrender him to stronger attractions.

Fortunately, in the sudden emergency the services of S. Warren Davis were secured, whose previous connection with the High School enabled him to take up the work of this department with the least possible disturbance of the ordinary course of instruction. Geometry and review Mathematics were assigned to the new teacher, and his success in these and other branches of instruction were so satisfactory that he has received the permanent appointment of Assistant Master.

The organization by Mr. Cutler of a class in Geography for those members of the fourth class who did not wish to take Algebra is regarded as a wise innovation. For it is very questionable, at least, whether in the limited range of the common-school course any place should be allowed for purely disciplinary studies, such as Algebra must be to many in every fourth class. While, on the other hand, Geography is becoming an increasingly important and practical branch of even the commonest education. Not only

is geographical insight indispensable to an adequate appreciation of historical events, but without it there cannot be a practical mastery even of the daily newspaper. Therefore, with all due loyalty to the legitimate province of mathematics, we believe that this concession has been, and others, perhaps, might be wisely made to geographical studies.

This reduction of labor in Algebra also relieved a very inconvenient pressure upon Geometry, which had been long deplored as unavoidable, so that the work of both departments since the change has been made, in respect alike to quantity and quality, has

been unusually gratifying.

The disadvantages of large divisions and of united extremes in scholarship occasioned by throwing open Commercial Arithmetic and Bookkeeping to all pupils irrespective of class standing is thought to be preferable to any arrangement which should exclude any pupils from these important studies.

W. S. SMITH.

GRADUATES OF THE HIGH SCHOOL.

[A full list of the graduates of the High School was published in the Annual Reports for the years 1873 and 1878. This list is here repeated, with the names added of those who have graduated in the five years since the latter date.]

The figure (3) marks a graduate of the three-years' course. The others are graduates of four years.

Class of 1861.

Ethie M. Bigelow. Kate M. Cobb. Hattie M. Cooley. Lizzie Spear. — 4.

Class of 1862.

J. Cooledge Coffin.
Hattie Cousens.
S. Lillie Graves.
Fannie Horton.
Annie R. Train.
Anna L. Woodward. — 6.

Class of 1863.

Hattie E. Allen. George Linder. Herbert M. Small. — 3.

Class of 1864.

Willard G. Brackett.
W. Russell Brackett.
Nancy J. Evans.
Edwin A. Gay.
Gustavus Goward.
William G. Sinclair.
Ellen A. Stearns. — 7.

Class of 1865.

Hannah A. Edes. William H. Gould. Charlotte W. Hyde. Edward H. Mason. Frederick Schoff. Cora Small. — 6.

Class of 1866.

Carrie E. Fitch.
Abbie M. Small.
Louise W. Stearns.
Harriet W. Strong.
Julia E. Sweet.
Mary R. Ware.
Martha S. Ware.
Mary O. Whitmore.
Emily J. Young. — 9.

Class of 1867.

Samuel Carr, Jr.
Sara E. Cushman.
Isabelia C. Patten.
Annie A. Pulsifer.
Robert E. Williams. — 5.

Class of 1868.

Clara R. Boit.
George R. Collins.
Charlotte E. Frogley.
Sarah E. King.
Thomas Linder.
Abbie R. Stevens.
Susic W. Tarbox.
Emma S. Warren.
Mary E. Woodward. — 9.

Class of 1869.

Kate Ashton.
Persis D. Bray.
John W. Chisholm.
Mary C. McCutcheon.
James W. French.
Julia A. Robinson.
Edward S. Smilie.
Isabel Stetson.
Minnie J. Thrall.
William F. Whittemore.
Sarah J. Wood.

Class of 1870.

Sarah G. Woodworth. — 12.

Genevieve H. Alexander.
Edward W. Cate.
George H. Coffin.
Edith C. Danforth.
Carrie P. Ellis.
Alfred Ely.
Annie M. Hinckley.
Emilie D. Huntley.
Helen J. Merritt.
Emily S. Moore.
Alfred Schoff.
H. Adelaide Stearns.
Ida M. Stone.
Ella G. Sweetser.
Louise M. Sweet. — 15.

Class of 1871.

William S. Barnum.
Fannie M. Chaffin.
Maggie Connell.
William B. Ely.
J. Walter Fewkes.
Jeannette A. Grant.
William H. Holman.
Alotta E. Stearns. — 8.

Class of 1872.

Franklin C. Bacon.

Hattie M. Boit.

A. Lawrence Bond. Nellie J. Butler.

Freda B. Emerson.

Gordon G. Gammons.

John F. Kent.

Allan H. Lincoln.

Nelson C. Parker.

Alice Ranlett.

Louis C. Stanton.

Alotta C. Wilmarth. - 12.

Class of 1873.

Lydia A. Brierley.

Heman M. Burr.

Bertha Carroll.

A. S. M. Chisholm.

S. Warren Davis.

Albert S. Glover.

John A. Gould.

Lilla F. Hall.

George W. Hills.

Samuel Leland.

Walter B. Mosman.

Otis T. Pettee.

Frances M. Rice.

Carrie E. Richardson.

May O. Russell.3

Harry O. Slocum.

Ethie A. Smilie.

Elizabeth O. Stone.

M. Louise Stone.

Harvey C. Wood. — 20.

Class of 1874.

S. Emma Bacon. George K. Boutelle. Hattie Child. Nellie M. Converse.³ Lizzie W. Everett. Warren P. Lombard. William H. Mansfield.3 Henry W. Mason. George A. Mead.³ Alice M. Ray. Susie F. Richards. Gardner G. Sanborn.³ Eunice C. Speare. Martha S. Stacy. William O. Stearns. Emma L. Stevens. Julia H. Strong. M. Josephine Thacher. Linwood O. Towne.3 Charles H. Ware. Ernest U. Waters. Arthur H. Wellman. Minnie F. Wood. — 23.

Class of 1875.

Mortimer B. Allen.3 Joseph F. Batchelder.3 Carrie L. Bourne. Lillie M. Broughton.³ Isaac T. Burr, Jr. Olen L. Carter. Nellie N. Cole. Edward W. Cook.3 George M. Cranitch.3 Ellen F. Dalrymple. Mary G. Day. Oliver M. Fisher. Bertha Forbes.3 Annie F. Gage. Henry E. Gordon. Lucia D. Guild. Mary E. Jenison.³ Charles S. Johnson.³

William W. Johnson. Lyman W. King. Arthur W. Kelley. James L. Lester. J. Maud Lincoln. Sarah E. Lyon. Margaret A. Mague. Carrie J. Newell. Charles R. Noyes.³ Emma A. Page.³ Hattie M. Peirce. Cora G. Plimpton.³ Fredrick J. Ranlett. Helen O. Roberts. Abbie A. Ryder. Nellie S. Sherman. Alice E. Sinclaire.3 Willard E. Smith. Nellie M. Sullivan.³ Herbert F. Sylvester.³ William H. Sylvester. Edward B. Towne.3 Mary E. Tufts. Sarah E. Tufts. Bradford S. Turpin. Ella Warren.3 Jesse Warren.3 Marion E. Williams. Alice M. Woodward.3 - 47.

Class of 1876.

Katherine L. Bates.
Alice W. Bond.
Harry E. Bothfeld.³
Abbie G. Chamberlain.
Mary R. Colby.³
Charlotte Converse.
Maria S. Daniels.
Lilla O. Davidson.
Winchester W. Eager.³

Florence G. Eastman. Mary W. Fuller.3 Lilla M. Garey. Emma E. Hicks. Joel E. Hills. Edward F. Jenison.3 Charles S. Johnson. John O. Johonnot.³ Sarah A. Jordan. Nellie S. Kendall. Frederick C. Leslie. Charles E. Lord.³ Annie March. Louisa P. Merritt. Caroline L. Mills. Lizzie J. Moore. Emily Norcross. Francis M. Parker. William A. Pew, Jr. Benjamin C. Pond. William D. Porter. Margarette H. Price.3 Joseph L. Rhees.³ Margaret H. Sargent. Mary E. Scales.³ Denison R. Slade. H. Alonzo Sherman. Frederick W. Stone. Fannie C. Sweet. Samuel Weston. Edgar M. Wheeler. Eva G. Wiswall. Milly N. Woodford. — 42.

Class of 1877.
Herbert D. Allen.
Edward Bagley.³
E. Virginia Barney.
N. Gertrude Bean.
H. L. Beveridge.

Charles L. Bird.3 Charles A. Brown.3 Denis Buckley.3 Hattie W. Chaffin.3 Lizzie Coldwell.3 William H. Coolidge. Eveline F. Crosby. Herbert N. Curtis. Sarah L. Dix. Laura E. Dyer. Minnie C. Ellenwood. Lewis P. Everett.3 Frederick B. Gordon.3 Charles F. Hall.3 Jennie G. Hill. Marion F. Holbrook.3 J. Norton Johnson. Frederick A. Kendall.³ Carrie M. Kidder. William A. Lamson. William C. Lane. Mary A. Leonard.³ Clinton H. Lord. Eugenia MacArdle.3 Maggie Martin. Nettie F. Mosher. Abbie M. Nickerson. Frederick J. Parsons. Charles H. Reed.³ Juliette V. Richards. Carrie L. Ring. Grace L. Robertson.3 Ella M. Speare. John K. Taylor.3 Caroline E. Tolman.3 Helen S. Tolman. Grace Tompson. Lizzie S. Tourjée. Addie P. Tuttle. Charles M. Van Buren. Harold Van Duzee. George A. Ward.3 M. Alice Warren. Margaret C. Worcester. William L. Worcester. - 50.

Class of 1878. Charles F. Bacon. Herbert R. Barney.³ Albert C. Brackett. Elliott G. Brackett. William C. Bray. Elinor M. Buckingham. George D. Burrage. Charles P. Clark, Jr. Frank E. Clark.3 Emma C. Coffin.³ Howard Cole. Edmund W. Converse, Jr. Harriet L. Cooke. Frank A. Dakin. Ephraim Ellis. Frederick W. Emerson. Lewis H. Farlow. Frank W. French.3 Francis E. Fuller. Minnie A. Gage. Henry W. Hardon. George R. Hovey. George O. C. Lawrence. Minerva E. Leland. Augusta A. Lentell.3 Charles G. Morton. Michael S. Murphy.3 Lilian F. Norton. Carl H. Park 3 Julia M. Pickard. Florence W. Plimpton.

Adeline V. Pond.

Anna Underwood.3

William H. Wales. Robert F. West.³ Elijah A. Wood. - 36.

Class of 1879.

Maud L. Atkinson. Edward L. Bacon. Charles E. Beck. Charles C. Bothfeld. Frances E. Bowen. Florence E. Briggs. Joseph W. Briggs.³ Frona M. Brooks. Mary H. Buckingham. Fannie A. Buss.³ Mary E. Chapin. Waldo W. Cole.³ Cornelia Collins. Ida Collins.3 Margaret Converse. Louis A. Coolidge. Aaron R. Crane. Jennie M. Daniels. John W. Dickinson, Jr. Lizzie B. Frost. Sydney Harwood. Lizzie H. Henry.3 Walter H. Holbrook. Edward D. Holmes.³ Lizzie C. Lawrence. Eliza J. Lovely. Alfred G. Loyd.3 James H. McGovern.3 George J. Martin.3 Frank A. Mason. Emma A. Moore. Norma I. Morse. Oscar H. Perry. Annie P. Porter. Fred M. Rice.

Marion E. Sheldon.
Lendo G. Smith.³
Arthur K. Stone.
Lizzie G. Tompson.
Susan C. Wood.
Charles P. Worcester. — 41.

Class of 1880.

Clara M. Adams. George T. Allen.3 Harry W. Bean.3 Helen L. Blackwell.³ Marian S. Bosworth.3 Winthrop M. Burr. John W. Byers.³ Harry P. Cole, Jr.³ Edward L. Collins. Charles H. Converse. Cornelius S. Corkery. Henry J. Cox. Charles T. Davis. George W. Eddy.3 Maggie A. Fitz. Evelyn P. Garey.³ Amy E. Gates.3 Fred A. Gay.3 · Frank J. Hale.3 Robert W. Hardon.3 Daniel S. Harkness.³ Josie M. Hopkins.3 Walter M. Jackson. Walter B. Lancaster. Amos E. Lawrence, Jr.³ Henry F. Mandell. John W. Paul 3 Anna M. Pond. A. Stuart Pratt. Lilla A. Richardson. Laura Saltonstall.

Gertrude H. Smead.
Lucy F. Soule.
Gertrude G. Tewksbury.
Mary Tourtellot.
Marion F. Towne.
William O. Underwood.
Edward R. Utley.
Dean A. Walker. — 39.

Class of 1881.

Joseph C. Ayer, Jr.3 William F. Bacon, C.* David Baker.3 Samuel K. Billings.3 Julia Bissell, C. Winthrop S. Brackett. Mary W. Calkins, C. Edward H. Chandler, C. Leonard B. Clark, C. Marion B. Curtis. Sanford L. Cutler, C. Ada L. Donkin. Ella M. Donkin. James W. Dorney. Justin Edwards, C. Milo F. Hargedon.³ Rose A. Harkins. David S. Herrick, C. Mary A. Hills.3 Helen A. Hovey, C. Henry D. Kendall. Kate F. Mellish.³ Frederick W. Miller.³ Mary C. Mosman. Dean W. Park.3 Nellie E. Putnam. Emma A. Robinson. Harry L. Rollins, C. Ellen S. Tewksbury, C.

^{*} From this point C. designates graduates in the Classical Course.

Carrie Turner, C.
Frederic W. Turner.³
Emma E. Upham.
George C. Warren.³
Edward C. Washburn.³
Arthur G. Webster, C.
Wallace W. Willard, C.
Edwin B. Woodin, C. — 37.

Class of 1882.

Harriet Avery. George E. Baird.³ Milton H. Bancroft.3 Sidney R. Bartlett.³ Belle Blodgett. Susan H. Boit. Gertrude F. Bridgham. Edwin W. Bullock, C. Cora F. Butler. Alexandrine E. Chisholm. Catherine T. Condrin.3 Charles W. Davidson.3 Bridget E. Devoy.3 Pauline L. Dolliver. Livy H. Dorchester, C. Harry K. Dresser.³ Louisa M. Eddy. Gertrude A. Elder. Mary A. Ellison. Josiah F. Fuller, Jr. John G. Hardy.³ Sarah Hopkinson.3 Harriet L. Hovey, C. George W. Lane.3 Albert E. Leach. Lillie C. Mackay. Georgie L. Norton. William H. Noyes, C. Arthur H. Page.3 Sarah L. Patrick.3

Grace T. Peloubet, C. George F. Pond, Jr. Grace E. Powars. Kathryn T. Raymond.³ Clara M. Richardson. Lucy C. Ross. Fanny E. Smith. Mary L. Smith. Josephine A. Stewart. Sanborn G. Tenney, C. Frank H. Underwood, C. M. Louise Wadsworth. Nellie P. Warren. George M. Weed, C. Mary J. Wellington, C. George R. White, C. — 46.

Class of 1883.

Lizzie C. Allen.3 Charles R. Bartlett. Abby B. Bates, C. George A. Berry. Edgar Buckingham, C. Robert W. Bush. Fanny B. Carpenter. Jeannette W. Cobb. Morton E. Cobb, C. Julia N. Cole, C. Winthrop Cole. Herman T. Coolidge, C. John A. Daniels. Lillian Eddy. Mary A. Fowle. George W. Gilbert. Bancroft L. Goodwin, C. William Goodyear, C. Lilian G. Hayden. Welles E. Holmes.3 Frank C. Howe, C. Annie A. Jackson.









George P. Knapp, C.
Olive E. Knowles.
Frank E. Lecompte.
James H. Meekins. ³
Alice M. Newell.
Marion E Nickerson.
Ella M. A. Parker. ³
Florence A. Phelps. ³
Minnie H. Powell.
Miner Robinson.
Ellen L. Sampson. ³
Frances E. Sawyer.
Addie A. Scott.
Lizzie Shinn, C.

D. Waldo Stearns.
Sarah J. Storms.
Alice L. Stowell.³
James Sullivan, Jr., C.
Mary P. Sylvester.
Angie B. Towne.³
Nellie A. Vose.
Alberta H. Ward.
George H. Ware.
Grace A. Warren.
Alonzo R. Weed, C.
Helen Wheeler.
Arthur H. Wilde, C. — 49.

Classes				23
Graduates				526

GRAMMAR SCHOOLS.

NEWTON CENTRE DISTRICT.

MASON SCHOOL.

The Mason School, during the year covered by this Report, has been well attended, well governed, and well taught. The number of pupils has remained about the same as last year—474 names appearing on its register—and all the classes have done good work and made commendable progress. They have been under the charge of Mr. Albert L. Harwood as master, and nine regular assistants, who have proved themselves anew faithful and efficient instructors, in love with their profession and anxious to do it and themselves honor. The first and fourth were both over-crowded at the beginning of the school year, which made it necessary to employ an additional teacher for the primary grades, who, however, left at the close of the year.

The School Register shows that the attendance of pupils has been exceptionally good during the year,—a most gratifying result, and one that is due to the judicious measures and aid of the city Superintendent of Schools. The tardinesses and absences have never been so few as during the year closing last June.

The class sent out from the school at the close of

the year was unusually large, — twenty-nine in all, — exceeding in number, it is believed, any class ever before graduated at this institution. Of these twenty-nine graduates, twenty-five received certificates of fitness to enter the High School and two others were admitted to that school on examination by the Superintendent.

The school reopened in September with full rooms and with the brightest outlook for the new year. The only change in the teaching corps is in the withdrawal of Miss Mary E. Jordan, and the appointment of Miss Susan C. Wood as additional teacher of the fourth grade.

The Oak Hill is still distinguished as the smallest of our city public schools,—numbering this past year, as also the year before, thirty-seven pupils in all. These have been under the care of Mr. C. Howard Wilson, a graduate of the Free College of the City of New York, and one who took the highest rank in that school. Under his efficient management the pupils of this school have done better than for many years before, and Mr. Wilson has secured by his work, and his gentlemanly deportment in and out of the schoolroom, the respect, confidence, and esteem of both pupils and parents. He has been reappointed by the Board and retains his position for the year to come.

The new year opened in September with brighter prospects than ever before, because with additional help. Though the school has been and must continue still very small, they have been of all grades, and it has been found impossible for a single teacher to keep the pupils abreast of those of the same grades in other schools of the city. The Board have, therefore,

wisely placed an additional teacher in the school to divide the work with Mr. Wilson and give him more time for his grammar classes. He has five pupils of the ninth grade, two of the fifth grade, and seven of the fourth. The primary school is under the care of the new assistant, Miss Annie E. Bancroft, a recent graduate of the State Normal School at Bridgewater, who held the first rank in her class in that institution. She has entered upon her work here with hope and zeal and a generous ambition to acquire a reputation, skill, and success as a teacher in the schools of Newton.

The patrons of this school never had brighter hopes for its success than now, and they are to be congratulated that after so long a time they are so well served.

AMOS E. LAWRENCE.

THOMPSONVILLE SCHOOL.

At the beginning of the school year, the lower rooms in the Mason School were so crowded that a change in the line of division between the Mason and Thompsonville districts was made by the District Committee.

By this means fifteen scholars were removed from the Mason to the Thompsonville School, making the whole number in the latter forty-five.

The teacher is working with her usual faithfulness and energy, but if the school continues to remain as full, she can hardly expect to accomplish as much for each class as can be done where there is but one or even two classes under a single teacher.

E. W. HYDE.

UPPER FALLS DISTRICT.

HYDE SCHOOL.

This school has passed a quiet and prosperous year. No complaints from parents, pupils, or teachers have reached the ears of your subcommittee except upon one subject, and that is the insufficient supply of heat on cold or windy days. Many days last winter, and already three or four days this winter, the school-house, or the greater part of it, has been so cold that it was not safe to keep the children in their seats. At the time of writing this report there are some indications that measures are about to be taken to remedy this long-standing difficulty.

The records of attendance and scholarship were inspected in June, and the promotions were made on them as a basis. The record was a good one, showing a steady devotion to work on the part of the teachers and the scholars. There were but a few scholars who had such records as to preclude promotion. But more important than this, the tone and spirit of the school are excellent; not only is the work done, but it is done with interest and enthusiasm. The influence of the teachers in this respect leaves little to be desired. They are all wholly devoted to their work; and now, having become familiar with the school and acquainted with the parents of their pupils, they are not likely to find any hindrance in the way of an even more prosperous year than the last.

TEACHERS.

GEO. A. MOORE, *Principal*, grades 8 and 9. Miss Cameron, *First Assistant*, grades 6 and 7. Miss Churchill, *Assistant*, grades 1 and 2. Miss Wetherbee, *Assistant*, grades 2 and 3. Miss Blackmar, *Assistant*, grades 4 and 5.

In assigning classes to the three assistants the rule followed was to give the youngest pupils (the beginners) to the most experienced teacher. The rule, always a good one, has worked well in this instance.

Miss Cameron's class occupies the hall. Were she not to do so the four class-rooms would be over-crowded. But the hall is not a very comfortable place for a class, and there are other reasons against placing school-rooms in the third story of a building.

The time is not far off when additional accommodations will have to be made for the increasing number of school children in this district.

Respectfully submitted,

EDWIN P. SEAVER,

Subcommittee on the Hyde School.

NEWTON, Dec. 26, 1883.

PROSPECT SCHOOL.

TEACHERS.

Walter C. Frost, Master.

Miss Martha L. Perkins, First Assistant.

Miss Ella F. Crooker, Assistant.

Miss Kate P. Richardson, Assistant.

Miss Lizzie W. Everett, Assistant.

Mrs. Mary P. Fanning, Assistant.

We are gratified at the close of the year that this school has sustained its hitherto excellent standard,

both in its intellectual attainments, and its uniformly prosperous condition, although the retention of all the teachers of the previous year, with their well-known fidelity to their trusts, was a sufficient guarantee of that result. Mrs. Fanning still retains her well-deserved popularity in teaching the primary class.

Miss Everett taught the second class pleasantly and with success. Miss Richardson was teacher of the third and half of the fourth class, together with a number of older pupils who early in the year had become residents of this district, but who were not qualified to enter the higher grades where their age and size would have naturally placed them. Those who have visited this room on exhibition days will long remember the large amount of work that was done in the allotted time.

The balance of the fourth and the whole of the fifth class were taught by Miss Crooker in a very thorough and painstaking manner.

The sixth and seventh classes were taught by Miss Perkins, who has become distinguished in this school as a successful teacher for a series of years.

The eighth and ninth classes were under the charge of Mr. Frost, whose generous enthusiasm in his specific duties as teacher of these classes, and in his general duties as master, has contributed essentially towards the accomplishment of the valuable work that has been done throughout the school.

The ninth class has been unusually large, all the members of which received diplomas admitting them to the High School.

The graduating exercises in the hall were well attended, and a good amount of satisfaction with the school was expressed by a number of speakers.

During the summer vacation Miss Richardson accepted an advantageous position in the High School at Peabody by the inducement of a larger salary, and the opportunity to teach the higher branches of education, in which it is safe to predict that she will acquire distinction as a teacher.

In parting with her it is but just to speak of the esteem in which she has been held as a teacher and associate, and of the disappointment that she could no longer be retained.

The vacancy was filled by the election of Miss Mary A. Hayward, an experienced teacher, in whom reasonable expectations are likely to be realized.

The teaching of the older pupils in the room of the third class who had previously acquired strong bodies, was very successful, and it suggests to parents who have children of infirm health that there is not a necessity of sending them to school as young as is now practised.

Very extensive sanitary improvements were made in both houses during the summer vacation, which could have been delayed no longer without incurring great risk to the health of pupils and teachers. The improved system is now working very satisfactorily and is expected to meet all requirements of that kind for a long time to come.

JOHN A. GOULD.

LOWER FALLS DISTRICT.

HAMILTON SCHOOL.

The quiet uneventfulness of uninterrupted and prosperous work characterized this school the past year. The entire attendance was one hundred thirtynine, an increase upon the previous season. The graduating class was the largest for many years, all fourteen of whom have entered the High School. Three keeping-rooms are occupied, with an average of thirty-five pupils each, while the fourth teacher hears her classes in a recitation-room. The no-recess plan has served so admirably here in the grammar department that it is desired for the primary classes also.

Mr. Leland's administration of this mastership, extending now over a period of more than twenty years, has given him the complete mastery of his work, so that both the school building and the district are constantly under his hand and eye. He keeps a school, and also keeps the children of his charge in the school. He sees to it that no part of the one hundred thousand dollars annually appropriated for the current expenses of the common schools of Newton which comes to his constituency shall fail of its purpose in respect to a single child of school age, by enforcing, when necessary, both upon pupils and parents, the provisions of the laws. This is something more than the mere keeping of a school, and nothing less than the practical assurance of a common-school education to the entire community. This is a work



plainly impossible to masters who come and go, but one best performed by him, other things being equal, the largest part of whose working years have been given to a single field. Fortunate is that locality where this broad and special supervision is faithfully and efficiently carried out. And that master accomplishes the highest achievement of his profession when he succeeds in inspiring his every pupil with the noble purpose of taking full advantage of his privileges in making himself a worthy, intelligent, and useful citizen of the Commonweath.

If a word further upon this important matter as related to the city schools as a whole be allowable here, it may be said that the question as to how many children of school age there may be in Newton to-day who by somebody's fault are left out or kept out of the common schools, is one which our statistics, elaborate as they are, do not clearly answer; but that it is a question which manifestly demands an immediate and thorough investigation in any and every case where it has not been answered surely will not be denied by any one.

WILLIAM S. SMITH.

WILLIAMS SCHOOL.

After three years of successful mastership in this school. Mr. Chandler has entered upon his fourth season with the situation more fully in hand than ever before. At advantage in the good-will of his pupils, in the confidence of the community, and in official approbation, he has reason to anticipate with special satisfaction the new order of things in prospect.

The only change in the list of teachers from the

previous year was in the primary department, where Miss Ingraham rendered her first and a very acceptable year of service.

Too prominent to pass unnoticed among the excellent features of this school is the extraordinary proficiency in vocal music attained under the rare training of the first assistant, Miss Pinnock.

The very prompt and effectual correction of an inveterate case of truancy by an appeal to legal measures, suggests for service as a guide to teachers, and a warning to the unruly, the posting of a card containing all legal enactments bearing upon school discipline in some conspicuous place in each of our school buildings.

Want of room has been the great trouble with the Auburndale School of late, where packing has been pressed, not only to a very inconvenient, but also to a very perilous point, especially in the two upper rooms occupied by Miss Burbank and Miss Saltonstall. But by favor of a kind Providence, nothing worse came of it than a general detriment to school work. But, whatever the loss, it has thus come about that the absolute necessity of immediate provisions for better accommodations has been made apparent to all. And hence action has been taken which will make this year memorable as the end of an old and the beginning of a new order of things in this district. Of this action suffice it here to say that a work like the building of a schoolhouse, which in the ordinary course of things comes not oftener than once in a generation, is at least a formidable undertaking and seldom unattended with special difficulties, delays, and disagreements. But, whatever obstacles of this or of any other sort may have been encountered, it is especially gratifying to be able to say they have all been surmounted, and the wise and liberal provisions which have been made for the Auburndale district are, to an unusual degree, satisfactory to all parties concerned.

WILLIAM S. SMITH.

WEST NEWTON DISTRICT.

PIERCE, DAVIS, AND FRANKLIN SCHOOLS.

The school history of our district for the year ending June, 1883, presents few features of special interest. The administration of skilled and faithful teachers has secured a steady and healthy progress in the various grades under their charge. The results achieved in each department of our three schools have given additional proof of the wisdom and efficiency of the school system of our city. Errors in theory and practice may, and probably do, still exist to some extent, but their elimination may be safely intrusted to accruing experience and intelligent supervision

No serious interruption from sickness of either teachers or pupils has broken in upon our regular class work. Miss Calista S. Wood, of the Davis School, was granted leave of absence for the year for needed rest, and Miss A. Calista Hale, a graduate of the Worcester Normal School, was placed upon the Davis corps of teachers during her absence. Miss M. Alice Warren, who had been an assistant in the Pierce School, was appointed in place of Miss Mary J. Pickering, who resigned her position at the close of 1882.

The omission of the morning recess in some of our school grades, with the shortening of the session in accordance therewith, as authorized by the Board, has received the approval of both teachers and parents, and is believed to be a desirable modification of our rules in that behalf.

Among the pleasant occurrences of the year was the graduation of an excellent class from the Pierce School, many of its members entering the High School, and others going directly into business occupations, in accordance with previous intention. In this connection we are happy to record the presentation to the Pierce School, by Mr. William E. Sheldon, of West Newton, of nearly one hundred volumes of educational works, which we trust may become the nucleus of a choice library for school reference and reading.

The regularity of attendance during the year, both in the grammar and primary grades, deserves special commendation. The few exceptions, smaller in ratio than in some years, were attended with the usual unfavorable results, as indicated by necessarily slow progress, failure in proficiency, and consequently in promotion, — evils which should receive prompt and earnest correction, both on the part of pupils and parents.

We have still to report an increasing attendance in nearly every grade, necessitating the employment of an assistant, Miss Jennie M. Daniels, in the primary department of the Davis School, and also an additional teacher, Miss Helen M. Tolman, for the Pierce School, from the commencement of the present school year. The large increase of children of school age in our district is rendering more and more apparent the pressing necessity for more ample accommodations, so earnestly desired and labored for during the year. It is hoped that the present and

prospective want in this behalf will receive early and favorable consideration.

Current experiences in our own, as well as in other districts, suggest various matters of local and general interest which require no discussion here. These will receive due consideration in the annual reports of the Board and of the Superintendent. Some of them find new emphasis in a review of the year's exhibit, showing that it is the employment of mind in doing school work which best educates and calls forth its powers, and that every day of actual work lost must tell upon the results attained, proving, moreover, that the habit of punctuality and regularity should be formed during school life. In this connection we have to say that our children apply themselves to many things during the nine years below their High School course, and we take pleasure in bearing testimony to the large measure of success and thoroughness that rewards the labors of both teachers and pupils.

> JULIUS L. CLARKE, Chairman.

NEWTONVILLE DISTRICT.

ADAMS SCHOOL.

TEACHERS.

WILLIAM A. SPINNEY, Master, teacher of grade 9.

Miss V. A. Hapgood, First Assistant, teacher of grades 8 and 7.

Miss Abbie I. Fiske, Assistant, teacher of grades 6 and 5.

MISS ESTELLA M. HAYNES, Assistant, teacher of grades 4 and 3.

Miss Angelia A. Smith, Assistant, teacher of grades 2 and 1.

The teachers of the Adams School are to be commended for their efforts and their success. A good spirit pervades the school, such as is found in the minds of those who are conscious of success in the study for new knowledge, for a good method of learning, and for a right training of the faculties.

It is the aim of the teachers to lead their pupils into the possession of the highest end that school exercises are adapted to produce, the power of self-control.

More assistance is needed in teaching the pupils of the first and second grades in the school.

CLAFLIN SCHOOL.

TEACHERS.

Herbert F. Sylvester, *Principal*, teacher of grade 8. Miss Lilla T. Wilder, *First Assistant*, teacher of grades 7

and 6.

Miss Mary R. Ware, Assistant, teacher of grades 5 and 4.

Mrs. Lizzie Jones, Assistant, teacher of grades 3 and 2. Miss Lydia A. Brierley, Assistant, teacher of grade 1.









Mrs. E. F. Tucker, teacher of grade 1, resigned during the year, and her place was filled by Miss Brierley, who was transferred from the Adams School.

The school has been disturbed the past year by sickness, by a long vacation in term time for repairs to be made on the school building, and by overwork on the part of the teachers and pupils in attempting to accomplish a year's labor in much less than a year's time.

Both teachers and pupils have labored faithfully in their efforts to perform the tasks assigned.

The school building is now too small for the number of pupils in attendance. The attic rooms are not proper places for the children, and the rooms on the first and second floors are already over-crowded. The system of heating and of ventilation, partly constructed last winter, should be completed.

It is recommended that the course of studies now taught be so modified that the pupils, by having less ground to pass over, may do what is required of them in a more thorough manner.

Additional means of teaching are needed. More blackboards, a better supply of reference books and books for supplementary reading, and simple apparatus for the illustration of some of the elements of knowledge, should be provided.

The school now has a janitor of its own. It is expected that hereafter the school building and premises will be the objects of the undivided attention of one who will perform in a skilful manner the important duties of his office. The present plan of omitting the recesses is commended by the principal.

JACKSON SCHOOL.

TEACHERS.

- GEORGE G. EDWARDS, Principal, teacher of grades 8 and 7.
- Miss H. Augusta Millard, First Assistant, teacher of grades 8 and 7.
- Miss Gertrude G. Tewksbury, Assistant, teacher of grades 6 and 5.
- Mrs. Louise W. Clelland, Assistant, teacher of grades 4 and 3.
- Miss Eliza J. Lovely, Assistant, teacher of first division of grade 2.
- Mrs. Abby J. Clark, Assistant, teacher of second division of grade 2.
- Miss Lottie E. Stearns, Assistant, teacher of grade 1, in the Athenæum.

It would be better for the school if all the grades belonging to it were collected into one building, and placed under the immediate supervision of the principal. If this were done, the different grades would more evidently form a part of one whole, and the work done in them would approach nearer to unity. This school is an important one, and deserves the special attention of those who have its management intrusted to their care.

The teachers have proved themselves to be efficient and faithful. They endeavor not only to teach in a thorough manner the various branches of study enumerated in the course of instruction made out for the school, but they also endeavor with equal care to train their pupils in the principles and practice of good conduct. It should be the policy of the Committee to keep the teachers steadily in their places,

for a successful experience is invaluable to a teacher of the public schools.

It is expected that those who have charge of the public schools will not forget that good schools cannot exist without well-trained teachers to teach them; that the course of studies pursued in the schools will determine the kind of knowledge the children will obtain; that the methods of teaching practised will give character to the quality of knowledge acquired, and to the mental training which the process of acquiring the knowledge will produce; that the best text-books can be selected by those only who use them; that a good schoolhouse is the product of an intelligent experience; and that a perfect attendance upon the schools is the result of constant attention on the part of teachers, school authorities, and the people themselves.

J. W. DICKINSON,

Chairman.

NEWTON DISTRICT.

As a whole, the condition of the schools in this district has been very satisfactory.

The attendance has increased, so that before long it will be necessary to have a class and teacher in the unoccupied room of the Bigelow Schoolhouse.

BIGELOW SCHOOL.

There have been three changes in the corps of teachers in this school. One of them, in the seventh class, was very unfortunate.

Near the beginning of the school year Mrs. Bakeman tendered her resignation on the ground of ill-health. Substitutes were employed for some time, but no one was found to fill the place. After a time Mrs. Bakeman's health so far improved that she felt able to again offer her services to the district committee, and they gladly put her back in the place which she had so long and so well filled.

Early in the spring Miss Eudora Sanford felt obliged, by the state of her health, to resign the position of head assistant, and Miss George was appointed in her place. Miss Sanford had been a teacher in this school for some years, and had always been conscientious, painstaking, and hard working.

At the end of the school year Miss Locke resigned her place in the fourth class to fit for Smith College.

The other teachers in this school still deserve the good opinion which your Committee and this community have of them.

UNDERWOOD SCHOOL AND LINCOLN SCHOOL.

These schools are in a very good state. The Underwood School has been so full that it has been again necessary to employ a temporary assistant, and the Lincoln School fuller than for some years.

It would be well to take some children from the North Village, which is so over-crowded, and put them in the Lincoln School, giving Miss Wilmarth an assistant. With forty children or thereabouts, it is rather hard to do the work in the three grades that she has without any assistance.

For the Committee Newton District,

LINCOLN R. STONE, Chairman.

EVENING SCHOOL.

The Committee on the Evening School report that a school for instruction in elementary English branches and book-keeping was held three evenings each week, from November, 1882, to February, 1883, in the Lincoln Schoolhouse, on Pearl Street.

The school was under the charge of Mr. L. F. Warren and the following assistants: Emma B. Wilkins, M. Alice Warren, Nellie B. Rand, Nellie P. Warren, Nellie M. Hart, Fannie A. Brackett, Charlotte M. Wilkins.

Number of evenings school ope	en.	•	٠	40
The number of pupils enrolled	was	•		100
The average attendance was			•	50
The largest attendance was.				90

The plan of the school and its success were as in former years. (Signed)

G. W. SHINN.
C. H. STONE.
L. R. STONE.

MUSIC.

THE Committee on Music, in submitting the report called for at this time, beg to be excused from giving anything but this short statement of the condition of music in the schools.

In the lower grades in some if not in all the schools there has been good work done and some improvement shown.

The special instructor in music, Mr. Roberts, however, has hardly had a fair opportunity to show the value of his methods, on account of a long and severe illness the earlier part of the school year.

We bespeak for him a candid, patient, and longer trial

For the Committee,

L. R. STONE,

Chairman.

NEWTON, Mass., Oct. 24.

INDUSTRIAL DRAWING.

The evening class in mechanical drawing, established during the preceding school year at the Prospect Schoolhouse in Ward 5, was continued last winter, opening Dec. 12, and closing March 29.

The pupils being for the larger part the same that attended the class the winter before, a second year's course of instruction, more advanced and supplementary to the first year's course, was pursued; and the class system of instruction was adopted to a greater extent in place of individual instruction. The teacher, Mr. H. N. Mudge, and the pupils expressed themselves as being well pleased with the kind and quality of the work done during the term. The attendance was not as large as it should have been, the total number of pupils at any time during the term being twenty-eight, against forty-three at the previous term. The average attendance the first month was nineteen, and for the term but thirteen.

Unusual social attractions in the village during the entire winter kept many persons from attending the school who were presumed to have an interest in its continuance.

The fact is again evident that the population of our city is unfavorably located for the best success of a school of this character, as no section has yet furnished a sufficient number of pupils for a sufficient length of time, and other villages are too distant to draw from, therefore the Committee do not recommend the opening of another drawing school at present, or until the want of one is made manifest to the School Board.

J. A. GOULD.

for the Committee.

SEWING.

The experience of the Sewing Committee during the past few weeks of school has served to confirm them in the opinion that no mistake was made when it was decided to introduce instruction in sewing into our public schools. The long-felt need of something more practical in our system of education seems to be in part met, and the hope is confidently cherished that this branch of study will soon take the rank it so justly deserves.

The time which has been given to sewing as yet is too short for us to be able to speak of results. There are many encouraging indications. It is only by visiting the class-room during the sewing hour that one can form a correct estimate of the quality and variety of work done.

The sewing teachers are earnest and conscientious workers, not easily discouraged, though the work increases in magnitude. They sometimes feel that the best results are not obtained, because the work supplied to the children is that which is most convenient and not that which is most suitable. If the work provided is beyond the child's capacity, progress is hindered and time wasted. We see no remedy for this till parents realize the fact, and are as anxious

SEWING. 59

for their children's advancement in sewing as in any other branch of school work. This will be a great gain, which will be perceived in more satisfactory results.

The Committee have scarcely been prepared for the genuine and hearty co-operation which has been shown by a large number of the regular teachers. The cheerfulness with which most of them have laid aside the regular work of the class-room, and the readiness with which they have given their own hands to the work, laying down pen and pencil and taking up the needle, have been exceedingly gratifying to the Committee. Combined with this readiness to help is a feeling of responsibility in regard to success.

The almost universal testimony of the children is in favor of sewing. The order, neatness, and industry of the school-room during the sewing hour are scarcely less perfect than at other hours. While there is room for improvement, your Committee are reasonably satisfied with the work of the past seven weeks.

The rules adopted for the regulation of this department of instruction are herewith submitted.*

MISS A. A. SMEAD.

^{*} See Superintendent's Report, pp. 71-73.



SUPERINTENDENT'S REPORT.

To His Honor the Mayor,

and the Honorable Board of School Committee of Newton:

LADIES AND GENTLEMEN, - The closing of the school year makes it my pleasant duty to take a general survey of the educational field and formally to report the result. I do so with the greater pleasure since, despite some untimely interruptions, it bears evidence of characteristic thrift. With our antecedents, the absence of any violent change or upheaval is perhaps the best evidence of prosperity; for of schools it may be said as it has been said of nations, "Happy they which have no history!" best work in the school-room cannot be reported. The quiet routine, with its thousand little details and its ten thousand subtle phases, where mind reflects mind, and heart touches heart, defies the nimblest pen; nor would a minute description of processes or a mere recital of every-day facts furnish either entertainment or instruction. At a period when education has come to be recognized as a science and many of its principles find ready acceptance, much that is vital to school interests may be safely assumed, while the attention is directed to those more salient features which mark the trend of doubtful theories. If I rightly apprehend the duties of your executive officer, not the least important is carefully to watch and

faithfully to report tendencies in method and in work, and to secure if possible the best conditions for reaping the fruits of practical skill. Therefore, in whatever particular this report may fail "in reviewing the work of the schools," it is hoped that it may not fail in properly estimating the importance of those movements whose issues are to determine the soundness of our theories and the value of our methods.

STATISTICS.

The statistical summary hereto appended will furnish the usual items to those interested. The school census of persons in the city between the ages of five and fifteen years on the first day of May, 1883, shows a total of 3,564 against 3,458 last year, a gain of 106, which is shared by every ward except the fourth, fifth, and seventh, in which there is a loss of 8, 10, and 1, respectively; while the average whole number in the schools shows nearly a corresponding increase.

It is gratifying to call attention to the improvement in attendance. An increase of more than one per cent for the year indicates a movement in the right direction, and betokens an amount of effort on the part of teachers which can be appreciated only by those who know the obstacles encountered. The reports of the High School, incorporated in this summary, exhibit in this particular an apparent falling off from the record of the preceding year. This is due to the fact that hitherto the attendance of special students has not been recorded, or rather has been assumed to be uniform and regular, — a practice which, making a more favorable showing than truth

would justify, has been corrected. The law of decline, however, in the character of attendance through the several months, which has prevailed in this department for a series of years, continues to operate with unabated force, reducing the percentage from 95.6 in September to 88 in June, — an evil which cannot fail to impair the efficiency of your most liberal provisions.

The careful reports of the various subcommittees render it unnecessary to speak of the High School in detail; its crowded condition, however, is a reminder that at no distant period the question of increased accommodations will force itself upon your attention. The total enrollment for the first month of the school year just opened is 330, while the average whole number is such as to tax the present building to its utmost capacity; nor would the exclusion of all nonresident pupils relieve the pressure to any appreciable degree. A comparison of the relative size of the several classes shows that, of those who enter, the number rapidly diminishes at the close of the first year, amounting often to twenty-five per cent or more. Of those who fall out, many come with no expectation of completing the course, but to supplement the work of the grammar school by a few months in a higher grade. It is also reasonable to conclude that no inconsiderable number living remote from the High School, on leaving the grammar schools desire to avail themselves of the same privilege, but are deterred by the difficulty and expense involved, and so terminate their school life. It may be well to consider whether, in view of the peculiar local relations of our school population to the High School, the wants

of the class referred to may not be adequately provided for in some sections by a post-graduate course in the grammar schools, and thus relieve the pressure in the High School without detriment to its 'regular classes.

I venture another suggestion in the same connection. The apparatus for illustrating physical science is entirely inadequate to the demands of that department. Some articles are old and worn, some are superseded by improved patterns, and in many cases progress in science and in this line of manufacture has developed new contrivances, which we have never had. The liberal policy which has ever characterized your Board in providing for the schools will not suffer so important an interest to occupy a rear rank. But it is mere waste to provide costly apparatus and fail to provide suitable means for its care and preservation. Every article, every map and globe, especially those in relief, a choice and rare collection of which is now the property of the High School, should have its place secure from accident and needless wear, and be restored to its place when not in actual use. These helps are in hands most competent for their care and their use, and it is safe to recommend first, more careful provision for safe keeping, and second, a small annual appropriation to be expended from time to time for articles most needed, until our facilities for illustration are commensurate with the reasonably large expectation of results.

COURSE OF STUDY.

Early in my official service the course of study in the primary and grammar schools became the subject of deliberate and careful consideration. The last printed form, bearing date 1880, while possessing some excellent features, had never represented the actual work of the schools. It seemed to lack the definiteness of outline necessary to secure in the work of the several grades that degree of harmony and uniformity which was essential. The natural result was a wide diversity of practice, tending to destroy the unity of the system. The first step towards a correction of the evil was, by a series of teachers' meetings, to discover the degree of divergence in the several lines of work; next by the apportionment of the several departments among the masters and principals to block out and commit to writing a course for each study in each grade representing as nearly as possible the higher average possibilities in the various schools and embodying the best results in the experience of our most successful teachers. The work had been carried to this point at the opening of the last school year. The third and last step which has since been in progress is by the practical test of actual use to so modify and fill up this outline as to make it a reflex of the work accomplished where conditions are favorable. This line of procedure has been adopted in the belief that no course of study arbitrarily marked out, however wisely conceived or skillfully formulated, can meet the varying wants of all. It must grow and so take shape amid diverse interests and tastes as to seem the development of each while in fact the joint product of all.

ARITHMETIC.

In my second quarterly report, presented in March, 1882, referring to arithmetic, I was constrained to use the following language:—

"In view of the prominence which is given to this study, it is a significant and startling fact that so much is said, and justly too, of the incapacity of the youth in our public schools, and even graduated from them, to deal with the practical problems which present themselves in every-day life. It becomes more embarrassing when a comparison is instituted between the product of our schools twenty-five or thirty years ago and that of to-day, with the verdict unqualifiedly in favor of the old methods. It may be more comforting, but not a whit more satisfactory, when we are led to feel that this state of things is not confined to one city or one state or one section, but that, for a score of years, there has been a deterioration in the rank and file of American youth in our public schools, both East and West, in their ability to handle intelligently, promptly, and correctly practical questions involving number and quantity. Another significant fact is, that most who have the supervision of instruction or teach in the higher grades have long felt and deplored this state of things; but most significant of all is the fact that teachers in the lower grades are consciously embarrassed by the weakness of their pupils in mathematical reasoning. It is to be expected that teachers who receive pupils to the higher grades would readily detect any failure to strengthen the mind by proper training in the rudiments, but that this lack

should be felt and lamented by the lower-grade teachers themselves, as is the case in Newton, is no less creditable to the teachers than indicative of a fault of long standing in the system.

The practical question is, 'What has caused the present condition and what is the remedy?' I feel no hesitation in expressing it as my opinion, reached not hastily and not without considerable opportunity for observing, that our present unsatisfactory results are chiefly due to the ill repute into which mental arithmetic has fallen; and, however justifiable may have been the action in discarding much that was good to rid ourselves of admitted abuses, the only rational remedy lies in the reinstatement of mental arithmetic as a staple exercise in all grades of our primary and grammar schools, and in giving it such prominence as will force pupils in arithmetic to learn to reason. It does not seem advisable or necessary to introduce, at this stage, a special text-book, but much may be done with the books on our list or readily accessible by teachers to stimulate activity in that direction."

The view thus presented was promptly indorsed by your Board in the supply of such aids as seemed needful, and the result is already manifest in the improved quality of our work. There may be danger of expecting too much until the mental fibre has gained strength and toughness by habitual exercise, but there is the opposite danger, — and, in the present reaction from Puritanic austerity, one of the most threatening, — of trying to nourish a healthy growing intellect on too diluted aliment. Nothing is so grateful to the young, rejoicing in the possession of new-found resources, as

the discovery of a new power. The bounding physical life is not content with the tame service of practical utility; the waste of its energy is the natural food of its exuberance. So, in intellectual training, a too rigid adherence to the severely practical may fail to call into play and so dwarf many a power whose development is essential to mental symmetry. Childhood eagerly grapples with difficulties within its power of mastery, and this desire must be fed and strengthened or there is, at best, but a sickly growth. The opinion is gaining currency in educational circles that the range of topics in arithmetic is far too wide for the time allowed in our grammar schools; if so, it justifies the hope of realizing, through reform, a more thorough understanding of its essential principles; but, be that as it may, the interests of a comprehensive system no less than the exigencies of practical life demand a more intelligent facility in handling its evervarying problems.

DRAWING.

The department of drawing has continued under the efficient management of Mrs. Emma F. Bowler, who has still further developed and matured the plan referred to in the report of the Special Committee presented last year. Previous to the organization for another year, however, Mrs. Bowler's resignation was presented and accepted, much to the regret of those familiar with her long and successful labors in behalf of the schools. It only falls within the scope of this survey to advert to the *status* of the department as found by her successor, Miss Adeline V. Pond, and presented in the following:—

REPORT.

The facts of the following report have been obtained in part from the regular teachers of the primary and grammar classes, in part from the special teacher who preceded me, and in part from my own observations.

PRIMARY SCHOOLS.

Simple instruction has been given in forms and their names, in memory drawing, dictation drawing, and design. Considerable time has been devoted to ruling and measuring as features of industrial art education, a foot-rule being put into the hands of each pupil. This foot-rule, however, has been found too cumbrous for the small fingers, and for the present will be generally set aside; it will be occasionally used to keep the child in mind of the common division into inches.

In grades 1 and 2 the work has been almost wholly slate work, and will continue so to be. In class, the work has been either upon slates or upon paper, or upon both, according to the grading of the pupils.

GRAMMAR SCHOOLS.

In the grammar classes, suitably graded instruction has been given in the following subjects:—

- 1. Freehand drawing.
- 2. Geometrical drawing.
- 3. Model drawing.
- 4. Memory drawing.
- 5. Dictation drawing.
- 6. Design drawing.
- 1. Excellent work has been done in making bold, broad copies of good subjects.
- 2. A good degree of attention has been paid to geometrical work. The object has been to give the pupil not only practice in the use of instruments but also general skill and accuracy.
- 6. I am informed by the special teacher who preceded me that in certain grades the feature of design has been somewhat neglected. This subject I regard as an important one, not because of the practical knowledge of decoration it may give a child, but rather because of its general educational value. The subject of design, properly taught, compels pupils to construct, to arrange, to analyze, to remodel; to draw with brains, not graphite.

More attention than formerly will be given to the subject of working drawings. It is needless to say that the times demand a practical industrial art education.

If, in the change from blank books to text books, there may be a loss of breadth and boldness in freehand copying, it is hoped that this loss will be more than counterbalanced by a gain in the practical value of the things taught.

In the grammar grades, the pupils' work is chiefly in drawing books; but in these grades, as in all others, the use of the black-board is to be encouraged.

HIGH SCHOOL.

During the past year the programme was as follows: -

Fourth Class.

Model drawing; parallel perspective; design; historic ornament.

Third Class.

Charcoal shading; angular perspective; design; historic ornament.

Second Class.

Modelling [in clay; oblique perspective; harmony of color; wash drawing; design.

First Class.

Twelve third-grade certificate drawings; a résumé of the three years' work.

During the present year, suitably graded [iustruction in simple projections will be given; but the programme will remain materially unchanged.

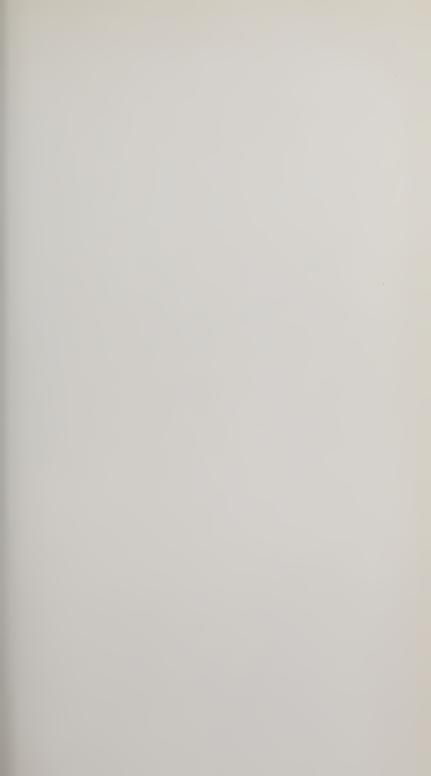
In closing, permit me to speak gratefully of the strong interest Newton's teachers and pupils manifest in the study of drawing,—a study that every educator regards as of greatest value, not_{\(\triangle}\) for itself alone, but for "its effects and manifold results."}

Respectfully submitted by

ADELINE V. POND,

Special Teacher in Drawing.

AUBURNDALE, Oct. 15, 1883.









MANUAL TRAINING.

The growing demand for more of the practical element in public instruction has found recognition during the past year by the adoption of a scheme for the introduction of sewing, which is sufficiently set forth by the following circular issued by the committee on that department:—

SEWING IN THE PUBLIC SCHOOLS.

The attention of parents is called to the fact that at the beginning of the next school year, September, 1883, sewing will be introduced as part of the regular course of instruction for girls in the fourth, fifth, sixth, and other grades in the public schools of the city of Newton.

The authority for its introduction is found in the State law of 1876, which runs as follows:—

"Sewing shall be taught in any city or town in all the public schools in which the school committee of such city or town shall deem it expedient."

By vote of the School Committee of Newton in 1882, instruction in sewing has been deemed expedient, a Standing Committee of the Board on Sewing has been appointed, and two teachers of sewing, Mrs. E. L. Bond, of Newton Centre, and Miss J. Grant, of Newton, have been elected.

The Committee on Sewing have arranged the following schedule of hours for instruction in the different schools:—

Bigelow, 10.30 A. M. and 2 P. M., Mondays and Thursdays.

Adams, 9 A. M. Mondays and Thursdays.

Claffin, 10.30 A M. Mondays and Thursdays.

Franklin, 9 A. M. Mondays and Thursdays.

Jackson, 9 A. M. Tuesdays and Fridays.

Pierce, 9 A. M. Tuesdays and Fridays.

Davis, 10.30 A. M. Tuesdays and Fridays.

Williams, 2 P. M. Tuesdays and Fridays.

Prospect, 2 P. M., Tuesdays and Fridays.

Hyde, 2 P. M. Mondays and 9 A. M. Wednesdays.

Hamilton, 2 r. m. Wednesdays.

Mason, 3 p. m. Mondays, 10.30 a. m., 2 p. m. Wednesdays, 2 p. m. Thursdays.

The committee have adopted the following regulations for the department of sewing in the public schools:—

- 1. Two lessons per week shall be given to each member of a sewing class. A sewing class shall be composed of one or more grades of the grammar-school girls. The number of members of a class shall be regulated by the committee from time to time. These lessons in sewing shall not be encroached upon by other school work without consent of the Sewing Committee.
- 2 The regular teacher of the grade, or in case two or more grades are united, one of the regular teachers shall have charge of the dicipline of the class, shall see that the work is distributed promptly at the beginning of the sewing hour, shall assist in keeping each scholar diligently occupied, and shall keep a record of the marks received by each scholar for proficiency and diligence.
- 3. The parents are requested to provide material for their children to work upon, and, as far as possible, to cut and baste the garments at home; but, in any case where it is not so provided, the sewing teacher will be expected to have work on hand to supply this need, that there may be no excuse for an unoccupied hour, and that time may not be wasted in sending home for work.
- 4. Each scholar shall come provided with needle, thread, and thimble.
- 5. The sewing teacher shall make all preparation for the instruction before the sewing hour, so that she may give her whole attention during that hour to the oversight and direction of the scholars.

Any fitting that requires time should be laid aside to be attended to out of the sewing hour, and other work supplied in its place.

- 6. The sewing teacher shall provide that each girl shall thoroughly learn the different varieties of work, and shall promote her from one kind to another as rapidly as she is able to advance from the simpler kinds to those more difficult, passing from plain sewing to mending, darning, fine stitching, button-hole making, and other difficult work.
- 7. With the consent of the committee, the sewing teacher may receive charitable work from individuals or societies, to be made

up by the children when not furnished with proper work from home; and these garments, when finished, shall be returned to the individual or society supplying them.

8. No scholar shall take a piece of work home until it has been

finished and approved by the sewing teacher.

- 9. At the discretion of the committee there may be an exhibition of the pupils' work once each year, to which parents and friends may be invited
- 10. The sewing teacher shall keep a record of the garments finished and shall report to the committee every quarter the general condition of the sewing in each school.

It will be observed that the above plan has reference to girls only; meanwhile, "What shall be done with the boys?" is a problem, and one which clamors for immediate solution. To make the project symmetrical and perfectly adapted to mixed schools, as all in our system are, the occupation should be manual or industrial, and it should be of like special interest to boys as sewing is to girls. The first and most natural suggestion is a practical acquaintance with tools and the materials upon which tools are used. Whatever may be the sphere of a boy's activity, he will constantly encounter the hard facts involved in the laws which govern wood and iron and stone, and a limited acquaintance with these laws is at once a source of interest and means of culture, and cannot fail to be serviceable in active life. The practical difficulty is one of mode and extent. While it may not be wise or practicable to train in the rudiments of any handicraft, there are facts to learn and points to gain in the material realm which will render

any boy wiser, stronger, and more useful. Every substance wrought into objects of use or beauty, with quality, change, and combination; every implement which fashions or adorns, its structure, adaptations, and uses; every process of production or manufacture, with its reasons, its history, and its development,—will furnish matter for practical instruction most acceptable to the inquisitive nature of a boy, and whose extent and variety are adequate to every capacity and every taste.

A popular error concerning this industrial feature is that its end is merely to furnish a resource to those who need it. However important this may be, it would hardly justify its general introduction, except as optional. But this narrow view fails to apprehend one of its chief claims to a place in the course of elementary instruction, — its value as an educational appliance. There is the deftness of touch, the skill of manipulation, the want of which is so often felt in ordinary school work; the natural wish of the pupil to be useful in a practical way, to do something or make something which shall be of intrinsic value; the latent desire to render a service to some one, to relieve want, or minister to necessities; there is the apathy which comes of inability to see the use of all this brain work and the alienation begotten by a suspicion that teachers have little interest in anything outside of books; there is the discouragement which settles like a pall upon young spirits at the discovery and reluctant acknowledgment, even to self, of mental inferiority; there is also the glimpse of the essential unity and dignity of all human endeavor for worthy ends, with the sympathy and charity which it begets,

— all these things and more are suggested at sight of a class striving, under kindly guidance, for proficiency in a line of effort which soothes nerve and spirit and goes far to compensate for those inequalities which are developed on a purely intellectual plane.

But want of time is urged as an objection to the introduction of any addition to an already overcrowded programme. The requirements for grade and department are not absolute, but shift with every modification of plan or theory. If manual training is entitled to attention in the public schools, it has its place and time, and it remains for those whose business it is to discover what has usurped its place and is occupying its time. It is to be remembered, however, that the allotment of a certain portion of time to manual industry does not necessarily imply the reduction of brain work in a corresponding ratio. Success in manual occupation involves mental training, and progress in study is determined by the nature of conditions as well as by the element of time. Unless there is such an adjustment of physical to mental exercise, of relaxation to labor, as to render every power most vigorous and elastic, there is waste somewhere, and increase of work even, with change, may repair the waste. Indeed it is claimed, by those whose experience qualifies them to judge, that the loss to regular work, in time, is fully compensated by the awakened energy and increase of intelligent interest which attend the introduction of this feature. But there is no occasion for speculation; it has already entered upon a stage of experi-ment in our schools and awaits the verdict of the future.

NO RECESS.

In accordance with a general desire which found expression in numerous requests from every quarter, your Board passed an order at the regular meeting in February to suspend, for one month, the regulation fixing the forenoon recess and hour of dismissal in the grammar grades, for the purpose of testing the plan of abolishing the general recess and dismissing, at 11.30 instead of 12 o'clock. The experiment has found such general favor and there has been such manifest unwillingness to return to the old arrangement, that your action has been repeated from month to month during the remainder of the year.

The change is an important one, and, in view of the time-honored custom which it displaces, little short of revolutionary; your cautious procedure, therefore, is wise and well timed. Elsewhere the innovation is violently assailed and as valiantly defended.

The chief considerations adduced in its favor are, first, those bearing upon the pupil; unbroken study hours and more time out of school, freedom from outdoor exposure, rough play and bodily injury, protection from vulgar associates and moral contamination; second, those bearing upon home convenience; the half-hour before noon, enabling children of laborers to carry dinners without encroaching upon school time, an increase of interval between sessions, making the services of children available at home, to the relief of parents; third, those bearing upon the school; relief from the confusion, distraction, and loss of time incident to recess, diminution of occa-

sions for discipline, improvement in attendance and punctuality.

Over against these are the denunciations of opponents, who claim that children are robbed of needed recreation, and that the disregard of physical laws involved in a protracted session will result in lifelong weakness and suffering.

As usual in heated controversies, the truth lies somewhere between the two extremes. Some of the objections to a general recess are entitled to little consideration. The claim that good manners and pure morals are incompatible with the promiscuous association during school hours, if pressed to its logical issue, would abolish public schools altogether. The cloister theory has had its day; the nineteenth century is too far gone for its revival, and least of all can it flourish in a republic. Dangers there are and must be in the free intercourse of all classes, but greater dangers in their separation. If children cannot associate with reasonable safety amid all the checks and safeguards of a public school, it is difficult to see where such association can commence without peril.

The extreme views of the advocates of the general recess, also, seem hardly justifiable in the light of facts. If a continuous session of two and a half hours involved such a ruthless violation of natural laws as is claimed, we should probably detect some signs of it in the increased number of individual recesses, especially when the public mind is on the alert for criticism and special pains are taken in school to interpose no obstacles. The fact is, however, that, where pupils have had time to adjust their habits to the change,

the applications for individual recesses are little if any more frequent than before.

Furthermore, a continuous session of two and a quarter hours is no new thing; it has existed in some sections for years without eliciting a murmur of dissatisfaction; and with us the afternoon session of two hours has long been unbroken, except in the primary grades. It is incredible that an addition of fifteen minutes should be fraught with such disastrous consequences; and yet, if we have reached the utmost limit of safety, it may be so, in which case it is wise to consider whether such close proximity to the danger point in a matter involving the health of the rising generation is in any wise justifiable.

The experiment of the last half-year, rendered more valuable by careful observations and statistics taken in the various schools and embodied in reports which represented, at once, the sentiments of parents, teachers, and pupils,— an experiment pursued with extreme caution in the light of what has been said and written upon the subject, — has led to the following conclusions:—

First. The abolition of the general recess greatly simplifies the work of administration, allowing more concentration of time and effort, avoiding accident and exposure, and diminishing friction and collisions, with their resulting complications.

Second. The aggregate of work accomplished is not materially affected with or without recess.

Third. The reduction of school time to a minimum has a tendency to accommodate its work to the multiplied demands which, in modern life, are made upon the time of the child, and naturally results in a desire

to lose nothing by absence, tardiness, or dismissal, while it encourages diligence and promotes intensity of application.

Fourth. It is entirely practicable to induce, in pupils, a cheerful conformity to the changed order of things, and that, too, without any apparent violence to the muscular, nervous, or secretory functions; but—

Fifth. Present immunity from inconvenience does not prove a course to be wise or safe. If two and a half hours in the school-room is not too long a period of continuous subjection to its necessary restraints for an average healthy child, the plan may be an improvement and become a permanent feature in our schools; if such a period of abstinence is inconsistent with the demands of the physical economy, no amount of eloquent advocacy and no act of authority can save it from merited condemnation. It is a question for the medical profession.

DISCIPLINE.

The question of discipline in our schools is fortunately a simple one. The excellent home training of most children, the firm yet conciliatory policy of your Board, the skillful focusing of activity upon the legitimate work of the school-room, all tend to forestall unpleasant issues, and pupils thus beguiled into a forgetfulness of laws and their occasion are far better governed than by feeling the force of them, however wise or efficient. But this grateful quiescence of laws can be perpetuated not by ignoring but by strengthening and perfecting them, for Newton, even, has its modicum of extreme perversity, which must be provided for by a scheme of appliances com-

plete in every appointment, otherwise the leaven of lawlessness will spread like a contagion. In the last revision of the regulations for the pub-

In the last revision of the regulations for the public schools, adopted Aug. 23, 1882, Chap. II., Sect. 4, reads as follows:—

"Teachers shall aim to practise such discipline as would be exercised by a kind, judicious parent in his family, avoiding all indiscreet haste, and resorting to corporal punishment only in extreme cases. They shall keep a record of all cases of corporal punishment, specifying in each the pupil's name and age, the date and nature of the offence, the date, mode, and severity of punishment, and report the same each month to the Superintendent.

The ordinary mode of discipline for violations of rules, disobedience, disrespect, disorderly conduct, neglected lessons, truancy, etc., after due effort on the part of the teacher, shall be reference to the master or principal, a written report to parent or guardian, or temporary suspension from school privileges, as the case may require.

The master or principal alone shall have authority to suspend a pupil; and a written notice stating the cause shall be immediately sent to the parent or guardian, to the Superintendent, and to the District Committee. The period of suspension, and the conditions on which a pupil may be restored to his place, shall be determined by the Superintendent, subject to the approval of the District Committee. The District Committee shall have power to continue the suspension, and the Board may finally expel the pupil. A pupil so expelled shall not again be admitted to any school in Newton without a majority vote of the whole Board."

To a casual reader, the phraseology differs little from the original form; two changes, however, deserve notice, —first, the provision that "detention after school hours shall be an ordinary mode of punishment" is omitted; second, the coupling of suspension with the "commission of crime, etc., when reformation appears hopeless," is radically changed.

pension with the "commission of crime, etc., when reformation appears hopeless," is radically changed.

The adoption of the spirit of these changes is working silently but surely a revolution in the discipline of our schools. The assumption which recognizes "detention after school hours" as an "ordinary mode of punishment" is mischievous in the extreme. It is that the school-room is a place of duress, and its work odious. With some this may be too sadly true, and therefore the best possible reason for not employing either as a punishment. It is that the teacher is not only bound to exact obedience to authority but is personally responsible for the pupil's shortcomings, and bound to make amends for the consequences of neglect or disobedience, — an assumption as unjust to the teacher as it is harmful to the pupil. It robs one of the best energy, that which draws upon the resources of a succeeding day, and the other of the best motive, a sense of personal responsibility; nor is the robbery any less robbery because neither resists. This unseasonable work and imprisonment may avail in scoring something to the credit of the reluctant victim, but the cost is appalling to the disgusted pupil, to the weary and depressed teacher, and to the defrauded school. Parents and pupils are alike entitled to a teacher's very best service, but no teacher jaded by these works of supercrogation can render the best service;

therefore the first care should be to come to the work of each day with a light heart and an elastic step, for the power to quicken and inspire only resides in fullness of life and spirit. The aggregate of accomplishment in school is undoubtedly greatest when the work of each day is resumed where it was left at four o'clock on the day preceding, — not perhaps in the number of problems solved, or sentences framed, or pages memorized, but in utilizing those forces which strengthen mind and build character.

The evil here cited, thanks to the amendment referred to, is rapidly becoming a thing of the past. Some still cling to it with a tenacity which is far more creditable to their spirit of self-sacrifice than to their discretion; but it is confidently hoped that at no distant day our teachers will, without exception, count it the best service to their charge and the highest act of loyalty to their patrons to turn their backs upon the school-room without delay when the programme is concluded.

The second noticeable change in the regulations consists in discarding the theory that suspension is a provision for criminal and incorrigible offenders,—a defensive measure only,—and in substituting therefor the equally safe but far more humane theory that suspension is merely a stage in the course of discipline, foreshadowing, it is true, the ultimate consequences of disloyalty, but gently applying to the offender the constraints of a beneficent law, inviting reform, and not ruthlessly treating him as an outcast.

The law that habitual neglect or abuse brings deprivation is so comprehensive and so just that there is no reason why it should not form the substratum

of school discipline. Thus applied and rightly administered, it is enforced only so far as the interest of the school demands,—an interest which is always paramount to that of the individual. But it is objected that children are dependent and irresponsible. True and untrue! If it is held that the intervention of authority is to absolve the child from the effects of indifference or wrong doing, it is an assault upon the very foundations of character. If it is held that the child in his immaturity does not alone represent the interests of his class, it is true, and the objection is met by introducing the parent or guardian as a factor in the problem. The State provides that every child within its jurisdiction shall receive proper school training; in pursuance thereof, schools are established and instruction furnished for all. If these provisions are so neglected or abused that some forfeit and fail to enjoy their benefits, it is an offence not so much against the school as against the State; and any attempt by the school to usurp the functions of the State not only must result in failure but will react most disastrously upon itself. No child and no representative of the child can claim at the hands of a teacher the benefits of school training for an unwilling subject; and the sooner this principle is recognized the sooner shall we be rid of those clogs which, more than any other one cause, impede our progress, and the sooner will be swept into oblivion those appliances for torture, under whatever name, which to many minds make "public school" a synonym for legalized cruelty.

It is further objected that this doctrine would paralyze all effort to stimulate to right action and to

reclaim from error. The best service is not bestowed under the stress of a contract, but is lavished where need requires, in obedience to a far higher principle. A teacher who is prompted to extraordinary effort in behalf of a wayward pupil will not relax such effort while there is hope of success, nor in such case would any but self-prompted endeavor be worth the bestowal. The more purely gratuitous the service for such an end, the higher its virtue and the greater reason to hope that it will be efficacious. It is not the labor which kills, but that crushing incubus of anxiety lest the utmost exertion fail to counteract the effects of perversity or willful neglect. As detention after school hours is the inevitable sequel of an attempt to develop an unwilling mind, so the rod is a fitting symbol of enforced rectitude, impotent both to secure aught but the most perfunctory eye service. It is one thing to govern; it is another and far nobler thing to govern by right means.

During the past year there has been no abatement of effort in behalf of the pupil, much less any concession as touching the standard of requirement; but the result is suggestive. The number of cases of corporal punishment reported from all the schools in the city is one hundred seventy-seven against four hundred forty-six for the preceding year,—a reduction of more than sixty per cent. There have been thirty-six cases of suspension, in three fourths of which the suspended pupils have been restored on application of parents or guardians. Of the remaining fourth for which no such application was made, some left the city, some were put to work, and some are not accounted for. The effect of these suspensions,

fourteen of which were for general misconduct and twenty-two for unexcused absence and truancy, was uniformly salutary upon the schools, and in most cases was such as to work a reformation more or less thorough in the offenders.

TRUANCY.

The evil of truancy, while very limited in extent, calls for special attention. It chiefly prevails where there is least to expect from home discipline, is most demoralizing in its effect, and its negative character sure index of infirmity of purpose - makes it very hard to correct. In most cases hitherto, suspension has been adequate; but it is too much to expect that there will be no exceptions, therefore the facilities for dealing with it should be perfect in every detail. As far as school discipline has anything to do with it, the object should be, primarily, to strengthen character, and so prevent the evil. It is the province of an authority outside the school, under the enactments of the Commonwealth, to see to it that the child is kept where mind and character may be reached by the instruction provided. If the personal influence of the teacher and the public sentiment of the school fail to commend a course of rectitude, the best service which the school can render is to teach the offender and his legal representative at once, that truancy is a forfeiture of its privileges, and so bring both face to face with municipal and State authority. The tendency will be to awaken parent or guardian to a full sense of responsibility and tax home resources to the uttermost. Here is usually found the source of the evil, and here the remedy should be applied; the more so as opposition, apathy, or incompetency at home, will, in a high degree, neutralize the best influences at school. If this fails, responsibility reverts to the authorities, for habitual truants have no right to be in the public schools, and the State has assumed this in providing that "Each town shall make all needful provisions and arrangements concerning habitual truants . . . and . . . such by-laws as shall be most conducive to the welfare of such children, and to the good order of such town; and shall provide suitable places for the confinement, discipline, and instruction of such children."

The only provision made by the city for such cases is in conformity with the following ordinance:—

"Children between the ages of seven and fifteen years, who are habitual truants, or who may be found wandering about in the streets or public places, having no lawful occupation or business, not attending school, and growing up in ignorance, and neglected children under sixteen years of age, shall be committed to the almshouse of the city of Newton for the term prescribed by law, and shall there be confined and receive discipline and instruction."

I am unable to learn that any child has ever been so committed, whether for want of occasion or otherwise does not appear; certain it is, that for years our schools have suffered from, while our masters have struggled with, an evil which they have felt themselves powerless to correct. If the provisions made are "suitable," they should be brought into requisition when occasion demands; if not, they should at once be made so. The confinement of the truant is not the chief necessity, even if it is the first.

Ample and most careful provision should be made for instruction, industrially and otherwise, under competent teachers; and, most important of all, these facilities should be made to subserve the development of every germ of good discoverable by an alert spirit of practical benevolence. In the absence of such provisions it is better that there be no committal under arrest and conviction, and because of such absence there probably will be none; if there is no committal, conviction will lose its terrors and arrests will be worse than useless; if there are no arrests, the service which has called for a distinct class of city officers and given them a name degenerates to the capture and return of runaway boys, a proceeding which, independent of its connection with a complete system of legal enforcement, is a positive evil.

Now, to those familiar with the facts, it is manifest that the city almshouse possesses no adequate facilities for the proper "confinement, discipline, and instruction of such children"; in fact it offers nothing but ministration to the wants of the body and then forcible restraint of its freedom by lock and key. This surely is not the spirit of the law, however accommodating its letter may be. If the evil of truancy is to be eradicated from our schools, if those unfortunate waifs who are addicted to it are to be rescued from a vagabond life and their demoralizing influence upon other children counteracted, — all of which is within the compass of a vigorous policy, — the entire machinery of legal constraint should be made complete and effective by a thorough equipment of some truant school or by some arrangement with one already equipped, with a view to the prompt and energetic

prosecution of every case. I commend the subject to your most thoughtful consideration.

Other topics of vital interest in a cause which lies close to the hearts of all the wise and good are ripe and invite discussion. But this report has already exceeded the limits assigned to it, and exhausted the time if not your patience; it shall trespass no further, save to record a grateful acknowledgment of manifold courtesies, both official and personal.

Respectfully submitted,

JOHN E. KIMBALL, Superintendent.

NEWTON, Mass., Dec. 26, 1883.

STATISTICS.

Population of the city, United States census of 1880 . 17,000 Number of persons in the city between five and fifteen years of age, May 1, 1882 and 1883, by wards:—

WARDS.	1882.	1883.	Increase.	Decrease.
I	463	512	49	
II	645	699	54	-
III	506	519	13	-
IV	562	5 54	-	8
v	470	460	-	10
VI	549	5 58	9	
VII	263	262,	-	1
Total	3,458	3.564	125	19
Net	-	-	106	_
Whole number of pupils	enrolled 1	881_89		. 3,759
Whole number of pupils				4,002
Increase	• •			. 243
Average whole number of	f pupils, 1	881-82		. 3,092.7
Average whole number o	f pupils, 1	882-83		. 3,170.3
Increase		•		. 77.6
Average attendance, 188	1-82			. 2,796.7
Average attendance, 188	2-83		• •	. 2,903.8
Increase	ndance			. 107.1

Table showing the Annual Eurollment in each of the Primary and Grammar Grades in September, 1876-1883.

DATE.				G	RADES	s.				Total
	I.	II.	III.	IV.	v.	VI.	VII.	VIII.	IX.	
September, 1876 September, 1877 September, 1878 September, 1878 September, 1880 September, 1881 September, 1882 September, 1882	380 424 428 431 464 530 510 514	383 321 347 365 372 386 436 454	338 361 306 359 376 381 405 436	420 398 341 298 321 394 353 398	282 394 392 344 296 270 403 369	252 225 300 294 342 312 237 298	261 214 194 271 260 311 266 210	165 199 190 159 221 211 225 183	129 126 157 157 162 150 180 166	2610 2662 2655 2678 2814 2945 3015 3028
Average	460	383	370	365	344	283	248	194	153	2800

Table showing the Percentage of Total Annual Eurollment in each of the Primary and Grammar Grades in September, 1876-1883.

DATE.				G	RADES	S.				Total.
Data.	I.	II.	III.	IV.	v.	VI.	VII.	VIII.	IX.	Lotur
September, 1876 September, 1877 September, 1878 September, 1879 September, 1880 September, 1881 September, 1882 September, 1883	14.6 15.9 16.2 16.1 16.5 18 16.9	14.7 12.1 13.1 13.6 13.2 13.1 14.5	12.9 13.6 11.5 13.4 13.4 12.9 13.4 14.4	16.1 15 12.8 11.1 11.4 13.4 11.7 13.2	10.8 14.8 14.8 12.8 10.5 9.2 13.4 12.2	9.7 8.5 11.3 11 12.1 10.6 7.8 9.8	10 8 7.3 10.1 9.2 10.5 8.8 6.9	6.3 7.4 7.1 6 7.9 7.2 7.5 6	4.9 4.7 5 9 5.9 5.8 5.1 6 5.5	100 100 100 100 100 100 100
Average	16.4	13.7	13.2	13.1	12.3	10.1	8.8	6.9	5.5	100

Table showing the Annual Enrollment, and Percentage of Total Annual Enrollment, in each Class of the High School in September, 1878-1883.

				CLAS	SES.				jo	
	I	7.	I	u.	I	I.]	[.	Number ls.	cent.
DATE.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Total Nur Pupils.	Total per
September, 1878 September, 1879 September, 1880 September, 1881 September, 1882 September, 1883	96 127 104 114 104 125	36.9 43.1 34.3 39.9 35.1 39.9	76 72 97 58 92 78	29.2 24.4 31.9 20.3 31.1 24.9	53 60 60 77 51 70	20.4 20.3 19.7 26.9 17.2 22.4	35 36 43 37 49 40	13.5 12.2 14.1 12.9 16.6 12.8	260 295 304 286 296 313	100 100 100 100 100 100
Average	111	38	79	27.1	62	21.2	40	13.7	292	100

Table showing the Annual Enrollment by Districts in each of the Primary and Grammar Grades in September, 1882 and 1883.

Drampromo				(FRADE	s.				al.
Districts.	I.	II.	III.	IV.	v.	VI.	VII.	VIII.	IX.	Total.
Newton Centre, iu- cluding Oak Hill and Thompson- ville	89 82	57 61	65 58	59 73	55 66	43 42	35 35	39 32	32 21	474 470
Highlands \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	25	32	19	22	20	16	16	15	15	180
	33	19	30	22	20	20	18	10	13	185
$ \left\{ \text{Upper Falls } \dots \right\} _{1882}^{1882},$	34	36	30	33	25	19	28	17	18	240
	37	35	39	23	29	22	18	23	17	243
Lower Falls { 1882, 1883,	16 16	18 14	14 19	16 11	9 13	14 6	10 11	6 9	17 2	120 101
Auburndale \ \ \ 1882, \ 1883,	33	37	39	40	42	15	25	27	13	271
	46	34	36	45	42	19	13	12	22	269
West Newton \ \ \frac{1882}{1883},	102	71	86	64	78	41	57	29	35	563
	101	76	70	72	64	81	29	27	30	550
Newtonville { 1882, 1883,	143	123	88	71	77	52	54	39	28	675
	140	118	121	78	79	42	54	37	23	692
Newton 1882, 1883,	68	62	64	48	97	37	41	53	22	492
	59	97	63	74	56	66	32	33	38	518
Total \ \ \frac{1882,}{1883,}	510 514	436 454	405 436	353 398	403 369	237 298	266 210	225 183	180 166	3,015

Table showing the Percentage of Total Annual Enrollment by Districts in each of the Primary and Grammar Grades in September, 1882 and 1883.

Districts.				0	RADES	8.				aj.
DISTRICTS.	I.	II.	III.	IV.	v.	VI.	VII.	VIII.	IX.	Total.
Newton Centre, in- eluding Oak Hill and Thompson- ville	18.8 17.5	12 13	13.7 12.3	12.4 15.5	11.6 14.1	9.1 8.9	7.4 7.4	8 2 6.8	6.8 4.5	100 10 0
$\left\{\begin{array}{ll} \text{Highlands} & \dots & \left\{\begin{array}{ll} 1882, \\ 1883, \end{array}\right.\right.$	13 9 17.9	17.8 10.3	10.6 16.2	12.2 11.9	11.1 10.8	8.9 10.8	8.9 9.7	8.3 5.4	8.3	100 100
Upper Falls { 1882, 1883,	$\frac{14.2}{15.2}$	15 14.4	12.5 16	13.7 9.5	10.4 11.9	7.9 9.1	11.7 7.4	7.1 9.5	7.5 7	100 100
Lower Falls \ \ 1882, \ 1883,	13.3 15.8	15 13.9	11.7 18.8	13.3 10.9	7.5 12.9	11.7 5.9	8.3 10.9	5 8.9	14.2	100 100
Auburndale $\begin{cases} 1882, \\ 1883, \end{cases}$	$\frac{12.2}{17.1}$	13.6 12.6	14.4 13.4	14.8 16.7	15.5 15.6	5.5 7.1	9.2 4.9	10 4.4	4.8 8.2	100 100
West Newton \ \ \frac{1882,}{1883,}	18.1 18.4	12.6 13.8	15.3 12.7	11.4 13.1	13.9 11.6	7.3 14.7	10.1 5.3	5.1 4.9	6.2 5.5	100 100
Newtonville \dots $\begin{cases} 1882, \\ 1883, \end{cases}$	21.2 20.2	18.3 17.1	13 17.5	10.6 11.3	11.2 11.4	7.7 6.1	8 7.8	5 8 5.3	4.2 3.3	100 100
Newton \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	13.8 11.4	12.6 18.7	13 12.2	9.8 14.3	19.7 10.8	7.5 12.7	8.3 6.2	10.8 6.4	4.5 7 3	100 100
Total \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	15.7 17	14.6 15	13 14.4	12.3 13.1	12.6 12.2	8.2 9.8	9 7	7.5	7.1 5.5	100 100

Table showing the Number of Pupils and their Average Age by Grades and Classes for September, 1882 and 1883.

										G	RAI	DES									
		I.			II.			111			IV.	•		v.			VI		1	VII	
Schools.	Pupils.		Age	Pupils.	Av	Age	Pupils.	Av	Age	Pupils.		Age	Pupils.	1	Age	Pupils.	Av	Age	Pupils.	Av .	Age
	No. of Pupils.	Years.	Mos.	No. of Pupils	Years.	Mo .	No. of Pupils.	Years.	Mos.	No. of Pupils.	Years.	Mos.	No. of Pupils.	Years.	Mos.	No. of Pupils.	Years.	Mos.	No. of Pupils	Years.	Mos.
High		:.					::			::	::		::	••		::			::		
Mason § 1882.	70 56	5 5	9 6	44 47	6	1 9	49 45	9	10	59 66	9	5 2	49 64	10 1 0	6 9	43 42	11 11	7	35 35	12 12	1 6
Oak Hill	3	6 5	5	6 5	6 8	6	10 5	9 8	2	•;	9	7	6 2	10 10	5 3		::				
Thompsonville (1882,	12 23	5 5	1 11	ĩ 9	76.7	1 4	6 8	8 8	8 11	::	::					::	::		::		
Hyde	25 33	5 5	8	32 19	77	10 2	19 30	8 8	5	22 22	9 9	6 5	20 20	11 10	10	16 20	12 11	3	16 18	13 12	9
Prospect	34 37	5 5	6 5	36 35	7	1 1	30 39	8	10 8	33 23	9	4 2	25 29	10	5	19 22	11 11	5	28 18	12 12	6 3
Hamilton	16 16	6 6	3	18 14	6	9 6	14 19	8	8 5	16 11	9 9	8 7	9 13	11	8	14 6	12	3	10 11	12 12	9
Williams	33 46	6 5	1 11	37 34	7	3 6	39 36	8 7	3	40 45	10 10	1	42 42	11 11	3	15 19	12 12	8	25 13	13	8 6
Pierce				::			::	::	::				55 44	11	1 9	23 62	12 11	4	43 29	12 13	8 2
Davis	53 61	6	4 2	49 44	ĩ	4 6	49 40	8	4	44 50	9	10 5	::								::
Franklin,	49 40	6 5	8	22 32	7	2	37 30	8	16 6	22	9	3	23 20	10 11	11 4	18 19	11 12	2	14	12	10
Adams	15 31	7 6	8	32 21	.7	9	33 33	9	5 1	13 19	10	2	żi	ii	.:	i3	iż		33 18	12 13	11 1
Claffin	51 29	6	1 9	37 30	7	10 5	21 37	8	11 9	23 18	9	6 8	39 17	10 11	7	24 9	12 12	ĩ	21 16	12 12	9
Jackson	77 80	6	5	54 67	8 8	1 1	34 51	9 9	8 9	35 +1	10 11	9 5	38 41	11 12	8	28 20	12 12	2 5	20	iż	
Bigelow							::			14	9	6	97 56	11 11	4	37 66	12	2	41 32	13 13	8 7
Underwood { 1882. 1883	56 45	6 6	5 1	52 82	77	4 6	51 53	9 9										::			
Lincoln	12 14	5 6	7 2	10 15	777	8	13 10	8 9	9												
Total	510 514	6 5	1 11	436 454	777	4 6	405 436	8 8	9 9	353 598	9 9	9	103 369	10 11	 11	237	12 11	 11	266 210	12	11 11

Table showing the Number of Pupils and their Average Age by Grades and Classes for September, 1882 and 1883. (Concluded.)

	T						(RAI	DES.	. — (Conc	elud	ed.							pils.
		v	III.		I	X.	1	Cla	ss I	v.	Cla	ss I	11.	Cla	88.	II.	Cla	188	ī.	r of Pu
Schools.	Junila	divis.	Av 1	l ge	Pupils.	Av .	Ag	Pupils.	Av .	Age	Pupils.	Av	Agı	Pupils.	Ar	Age	Supils.	Av	Age	Total Number of Pupils.
-	No of Punils	10.01	Years.	Mos.	No. of Pupils	Years.	Mos.	No. of Pupils	Years.	Mos.	No. of Pupils.	Years.	Mos.	No. of Pupils	Years.	Mos.	No. of Pupils	Years.	Mos.	Total I
High	2,		::				:	104 125	15 15	5	92 78	15 16	11	51 70	16 17	5	49 40	17 17	8 10	296 313
Mason	3.	32	13 13	10	32 16	14 14	·i			::										418 408
Oak Hill <u>'</u>	32,	7	13	1	5	14	6					::					.:			36 27
Thompsonville $\begin{cases} 189 \\ 189 \end{cases}$	32, 33,	:				::	::							::			::			2; 40
Hyde	32, 1 33, 1	15 10	13 13 .	32	15 13	14 14	6				::			::			::			180 183
Prospect	32, 33,	17	13	6	18 17	14 14	25.5	::			::			::	::		::			240 243
Hamilton	32, 33,	6 9	14 13	3	17 2	14 15	10 11				::			::						120 10
Williams	82. 83,	27 12	13 14	2 4	13 22	14 14	5	::	::	::	::	:.	::	::			::			27 269
Pierce	82. 83,	29 27	13 13	6	35 30	14 14	4				::			::		::	::		::	18: 19:
Davis	82. 83,		::		::	::		::			::			::	::	ļ:.	::		::	19 19
Franklin \ 18	82, 83,				::	::	::	::	::		::	::	::	::			.:		::	18 16
Adams	82, 83,	39 26	13 13	6 8	28 23	1414	8 6	::	::		::	::	:.	::			::	::	::	19 20
Claffin'	82, 83,	ii	13	10	::		::	::			::			::			::		::	21 16
Jackson	82,			::	::	.:			::		::		::	::		::	::		::	26 32
Bigelow	82. 83,	53 33	13 14	10	22 33	14 14	6 9	::		ļ.:		.:		::			::	1	::	29 29
Underwood { 18	192, 183,		::	::	::	.:		.:			::	::	::	::	::		::		::	15 18
Lincoln	392. 383,	• •	::	::	::	::	::	::			::		::	::			::			3 9
Total { 18	882, 883,	225	13 13	7 8	180 166	14	5 7	104 125	15 15	5 3	92 78	15	111	51 70	16	5	49	17	 8 10	331

Table showing the Monthly Attendance, by Schools, for the Year ending June 29, 1883.

	SEL	SEPTEMBER	R.	00	OCTOBER.		NO	NOVEMBER	.:	DE	DECEMBER	В.	3.4	JANUARY.		PE	FEBRUARY	
scноогs.	Average Vumber.	Average .	Percentage of Attendance.	Average Vhole Number.	Average Attendance.	Percentage of Attendance.	Average Nhole Zumber.	Average Attendance.	Percentage of Attendance,	Average Whole Number.	Аченаванее, Аңенавиее,	Percentage of Attendance.	Average Whole Kumber.	Arendance.	Percentage of Attendance.	Average Whole Kumber.	эувгээү ,ээнгридэт. Дібендансь	Percentage of Attendance.
	287.5	274.9	95.6	294.2	282	95.8	289.4	272.6	5.46	279.7	256.5	7.16	270.4	248.9	92	269.4	249.5	92.6
	400.4	369.8	92.6	415.5	381.5	92.7	425.8	379.7	8.06	403,1	345.2	98	395.7	358.3	91	394.1	354.5	90.3
	35.5	32.1	8.06	94.6	31	9.68	34.5	31.5	91.3	30.9	25.6	82.4	28.8	23.9	82.9	25.6	23.6	92.1
Thompsonville	24.4	21.6	88.5	26.8	22.5	83.9	26.8	24.1	89.9	26.7	55.6	85.7	25.3	22.2	87:18	25	22.4	9.68
	172.8	159.8	6.16	172.5	161.8	93.3	175.6	165.9	94.7	179.7	166.4	92.8	179,1	174.2	92.9	175.1	162.9	92.5
	229.5	218	8.46	227.7	218.5	95.9	231.2	214.7	93	228.4	250.5	96.3	229.3	217.4	94.5	227	214.6	1.16
Hamilton	116.4	112.5	7.96	118	112.9	95.9	116	110.7	95.9	113	103.3	92.3	108.6	1001	93.6	111.2	104.2	7.16
	259.9	241.3	93.1	265.8	246.3	92.4	8.492	245.3	92.5	259.8	230.7	88.9	252.4	226.3	89.4	246.4	218.1	1.88
	178.2	172.7	16	182.1	175.3	96.5	177.1	170.9	96.5	178.6	169	6.46	180.3	170.5	8.46	177.5	170.9	96.2
	186.7	174.6	93.5	191	183.3	95.6	194.7	183.8	9.16	191.5	176	92.1	189.4	169.9	6.68	184.9	168.6	91.2
	182.8	168.5	92.4	178.6	164	92.1	1.69.7	155.4	91.5	158.1	140.5	88.9	160.6	144.3	89.8	153.4	140.3	91.2
	182.7	170,3	93.8	229.6	190.9	92.6	202.8	193	95.5	198.3	182	92.3	188.2	169.6	8.06	182.4	169.3	92.8
	203.3	184.1	7.06	215.3	198.9	93.6	205.6	187.4	91.4	205.6	187.4	1.16	206.4	9**61	94.5	206.4	187.6	91.1
	250.5	226.5	2.06	265.7	241.7	6.06	274.9	247.2	89.8	270.3	237.4	87.9	265.8	9.722	82.6	258	224.2	298
	281.7	270.1	95.6	293.9	280.1	95.5	291.5	8.172	94.6	287.9	8.892	93.1	286.8	267	93.3	279.7	260.1	93
Underwood	151.2	138.2	91.1	163.5	154.3	94.2	173.8	160.9	95.6	178	159	89.3	176.7	152.9	86.8	176.2	153.3	87.3
	34.3	30.4	88.8	32.3	30.1	93.5	32	30.5	95.5	31.6	29.4	93	66	29.6	9.68	32.7	30.5	92.3
Total	3177.6	2965.4	93.3	3307.1	3115,1	94.1	3286.2	3048.4	92.7	3221.2	2920.3	7.06	3176.8	2857.6	06	3125	2854.3	91.3









STATISTICS.

-
Average Whole Kumber, Average Attendance,
254.6 232.9
381.8 351.2
25.8 23.3
24.5 21.6
189.2 169
229.2 215.2
112.4 105.5
255.3 231
164.8 156.
194.4 180.
166.1 150.1
182.7 168.
215.6 198.
302.6 263.8
275.2 253
191.3 170.9
37.4 33.
3202.9 2925.8

ROLL OF TEACHERS.

HIGH SCHOOL.

HEAD MASTER.

EDWARD H. CUTLER,

Washington Street, Newton.

MASTER.

EZRA W. SAMPSON,

Washington Street, Newtonville.

ASSISTANT MASTER.

S. WARREN DAVIS,

River Street, West Newton.

ASSISTANTS.

MISS CAROLINE SPEAR,
MISS S. ALICE WORCESTER,
MISS M. ABBY SMITH,
MISS MAYBELL P. DAVIS,
MISS EVELYN RICH,

Walnut Park, Newton.
Highland Avenue, Newtonville.
Court Street, Newtonville.
Highland Avenue, Newtonville.
Trowbridge Avenue, Newtonville.

SPECIAL TEACHERS.

Military Drill.

ISAAC H. HOUGHTON,

Walnut Street, Newtonville.

Calisthenics and Elocution.

Miss Jennie E. Ireson,

No. 185 West Canton Street, Boston.

Drawing and Writing.

Music.

Miss Adeline V. Pond,

Lexington Street, Auburndale.

Donners I Donners

Brooks Avenue, Newtonville.

TIMOTHY L. ROBERTS,

DISTRICTS.

NEWTON CENTRE.

N. B. - Roman numerals indicate Grades. I-III, Primary; IV-IX, Grammar.

MASON SCHOOL.

MASTER.

ALBERT L. HARWOOD, IX,

Crescent Avenue, Newton Centre.

FIRST ASSISTANT.

Miss Sarah H. Munger, VIII,

Warren Street, Newton Centre.

ASSISTANTS.

Miss Della E. Dodge, VII, Miss Maria F. Wood, VI, Miss Mary Tenney, V, Miss Susan C. Wood, IV, V, Miss Lizzie S. Friend, IV, Miss Myra A. Wilson, III, Miss Margaret Martin, II, Miss Ellen M. Cook, I,

Sumner Street, Newton Centre. Homer Street, Newton Centre. No. 378 Tremont Street, Boston. Homer Street, Newton Centre. Station Street, Newton Centre. Sumner Street, Newton Centre. Centre Street, Newton Centre. Station Street, Newton Centre.

VOLUNTEER ASSISTANT.

Miss Alice S. Friend,

Station Street, Newton Centre.

OAK HILL SCHOOL.

PRINCIPAL.

C. HOWARD WILSON, IV, V, IX,

Crescent Avenue, Newton Centre.

ASSISTANT.

Miss Annie E. Bancroft, I, II, III, Dedham Street, Newton Centre.

THOMPSONVILLE SCHOOL.

Miss Helen A. Davis, I, II, III, Crescent Avenue, Newton Centre.

UPPER FALLS.

HYDE SCHOOL.

MASTER.

GEORGE A. MOORE, VIII, IX, No. 3 Bowdoin Street, Newton Highlands.

FIRST ASSISTANT.

Miss Charlotte E. Cameron, VI, VII,

Lincoln Street, Newton Highlands.

ASSISTANTS.

Miss Gertrude Blackmar, IV, V. No. 70 Commonwealth Avenue, Boston. Miss Mabel R. Wetherbee, II, III,

No. 4 Bowdoin Street, Newton Highlands.

Miss Phebe E. Churchill, I, Centre Street, Newton Highlands.

VOLUNTEER ASSISTANT.

Miss Addie A. Scott,

High Street, Newton Upper Falls.

PROSPECT SCHOOL.

MASTER.

WALTER C. FROST, VIII, IX,

Cottage Hill, Newton Upper Falls.

FIRST ASSISTANT.

Miss Martha L. Perkins, VI, VII,

Rockland Place, Newton Upper Falls.

ASSISTANTS.

Miss Ella F. Crooker, IV, V, No. 876 Fourth Street, South Boston.

Miss Lucy A. Hayward, III, IV, High Street, Newton Upper Falls. Miss Lizzie W. Everett, II,

High Street, Newton Upper Falls.

Mrs. Mary P. Fanning. I.

Spring and Summer Streets, Newton Upper Falls.

LOWER FALLS.

HAMILTON SCHOOL.

MASTER.

 $\begin{array}{l} \text{Luther E. Leland,} \\ \text{Mrs. Ellen M. Leland,} \end{array} \right\} \text{V, VI, VII, VIII, IX,} \\ \end{array}$

Washington and Beacon Streets, Newton Lower Falls.

FIRST ASSISTANT.

Miss Annie G. Swain, III, IV,

Walnut Street, Wellesley.

ASSISTANT.

Miss Sarah H. Jumper, I, II,

Walnut Street, Wellesley.

WILLIAMS SCHOOL.

MASTER.

GEORGE L. CHANDLER, VII, VIII, IX, Auburn Street, West Newton.

FIRST ASSISTANT.

Miss Elizabeth A. Pinnock, VII, VIII, IX,

Highland Street, West Newton.

ASSISTANTS.

Miss Louise N. Burbank, V, VI, Miss Laura Saltonstall, IV,

Auburndale. Centre Street, Newton.

Miss Dora A. Allen, III,

Washington Street, West Newton.

Miss HATTIE A. INGRAHAM, II,

Natick.

Miss Ann B. Smith, I,

Natick.

VOLUNTEER ASSISTANT.

Miss Annie A. Jackson,

Washington Street, Newton Lower Falls.

WEST NEWTON.

PIERCE SCHOOL.

MASTER.

LEVI F. WARREN, VIII, IX,

Otis Street, West Newton.

FIRST ASSISTANT.

Mrs. SARAH A. WARREN, VIII, IX,

Otis Street, West Newton.

ASSISTANTS.

Miss M. Alice Warren, VI, VII, VIII, Miss Eliza E. Simmons, VI, Miss Helen S. Tolman, V, W

Otis Street, West Newton. Henshaw Street, West Newton.

Washington Street, West Newton.

DAVIS SCHOOL.

PRINCIPAL.

Miss Ella G. Bates, IV,

Otis Street, West Newton.

ASSISTANTS.

Miss Calista S. Wood, III, Miss Susan E. Copeland, II, Miss Sarah E. Foster, I, Miss Jennie M. Daniels, I, Highland Street, West Newton. Highland Street, West Newton. Waltham Street, West Newton. Washington Street, West Newton.

FRANKLIN SCHOOL.

PRINCIPAL.

Miss Elizabeth F. Paddock, V, VI, River Street, West Newton.

Assistants.

Miss M. ISABEL JENKINS, III, IV,

Washington Street, Newton Lower Falls.

Miss Emma J. Thompson, II,
Miss Margaret A. Mague, I,
River Street, West Newton.

VOLUNTEER ASSISTANT.

Miss Gertrude A. Elder,

Davis Street, West Newton.

NEWTONVILLE.

ADAMS SCHOOL.

MASTER.

WILLIAM A. SPINNEY, IX,

Webster Street, West Newton.

FIRST ASSISTANT.

Miss V. E. HAPGOOD, VII, VIII,

Crafts Street, Newtonville.

ASSISTANTS.

Miss Abbie I. Fiske, V, VI,

Miss Estella M. Haynes, III, IV,

Miss Angelia A. Smith, I, II,

Prescott Street, Newtonville.

VOLUNTEER ASSISTANT.

Miss Lilian G. HAYDEN,

Washington Park, Newtonville.

CLAFLIN SCHOOL.

PRINCIPAL.

HERBERT F. SYLVESTER, VI, VII, VIII, Bowers Street, Newtonville.

ASSISTANTS.

Miss Lilla T. Wilder, VI, VII, VIII, Prescott Street, Newtonville.

Miss Mary R. Ware, IV, V, Near Seavern Street, Auburndale.

Mrs. Lizzie Jones, II, III, Lake Street, Waltham.

Miss Lydia A. Brierley, I, Walnut Street, Wellesley Hills.

VOLUNTEER ASSISTANT.

Miss Annie F. Merrill, Riverside Place, Watertown.

JACKSON SCHOOL.

PRINCIPAL.

GEORGE G. EDWARDS, VII,

Cabot Street, Newtonville.

ASSISTANTS.

Miss H. Augusta Millard, VI,
Miss Gertrude G. Tewksbury, V,
Mrs. Louise W. Clelland, IV,
Mrs. Abby J. Clark, III,
Miss Eliza J. Lovely, II,
Miss Gertrude H. Smead, I,
Miss Lottie E. Stearns, I,

Lowell Street, Newtonville.
Walnut Street, Newtonville.
Watertown Street, Watertown.
Washington Park, Newtonville.
Gardner Street, Newton.
Court Street, Newtonville.
Watertown Street, Newton.

NEWTON.

BIGELOW SCHOOL.

MASTER.

H. CHAPIN SAWIN, IX,

Maple Place, Newton.

FIRST ASSISTANT.

Mrs. M. M. BAKEMAN, VIII,

No. 28 Upton Street, Boston.

ASSISTANTS.

Miss Annie E. George, VII, Miss S. Louise Shelton, VI,

Jefferson Street, Newton. Bennington Street, Newton. Jefferson Street, Newton.

Miss Augusta A. Lentell, V, VI, Miss Emily J. Dyer, IV, V,

Newtonville Avenue, Newton.

Miss ELIZABETH AYLES, IV, Church Street and Waverley Avenue, Newton.

UNDERWOOD SCHOOL.

PRINCIPAL.

Miss Emma M. Cleary, III,

No. 564 Broadway, South Boston.

ASSISTANTS.

Mrs. LIZZIE C. CLARK, II, Miss Annie L. Wood, II, No. 122 F Street, South Boston. Wellesley.

Miss Josephine W. Littlefield, I, Miss Clara A. FARWELL, I,

Richardson Street, Newton. Summer Street, Watertown.

VOLUNTEER ASSISTANTS.

Miss ADA L. DONKIN, Miss Ella M. Donkin, Brook Street, Newton. Brook Street, Newton.

LINCOLN SCHOOL.

PRINCIPAL.

Mrs. Nellie B. Rand, I, II, III,

Oak Avenue, West Newton.

ASSISTANT.

Miss Rose A. Harkins, I, II, III, Washington Street, Newtonville.

SECRETARY'S REPORT.

SCHOOL APPROPRIATIONS FOR 1883.

General appropriation for schools Received from the dog tax	•			\$85,500 1,075	
				\$86,575	26
Amount paid to the superintendent		\$2,700	00	ŕ	
" paid to the teachers .		73,183	64		
" paid to the janitors .		4,238	3 00		
" paid to the secretary .		300	00.		
" paid for fuel		4,436	76		
Total amount expended .	٠		•	84,856	40
Balance unexpended				\$1,718	86
Appropriation for evening school		\$650	00		
Amount expended		528	39		
Balance unexpended			•	126	61
Appropriation for industrial drawing		\$300	00		
Amount expended			75		
Balance unexpended			•	132	25
Appropriation for conveyance of pup	ils				
to the High School		\$ 650	00		
Amount expended		600	00		
Balance unexpended	•		•	50	00
Appropriation for school incidentals		\$10,000	00		
Amount expended	•	9,794			
Balance unexpended			•	205	27
Total balance unexpended .				\$2,232	99

RECAPITULATION.

APPROPRIATIONS.

General appropriation	, inc	eluding	dog	tax			\$86,575	26
Evening school approp	oriat	tion					650	00
Industrial drawing	66					٠.	300	00
Conveyance of pupils	66						650	00
School incidentals	66						10,000	00
Total appropriation	ons					•	\$98,175	26
		Expen	DITUI	RES.				
General appropriation					\$84,856	40		
Evening school .	•				523	39		
Industrial drawing					167	75		
Conveyance of pupils					600	00		
School incidentals					9.794	73		

ISAAC HAGAR,

Secretary.

TEXT-BOOKS AUTHORIZED IN THE NEWTON SCHOOLS.

The rules of the city School Board very wisely provide that "The Committee on Text-Books shall carefully consider every proposition to change any text-book or text-books, or to make any addition to the text-books prescribed for the schools; and report thereon to the Board, in writing, stating the vote in Committee. No new text-book shall be introduced into any school without the knowledge of the Committee, or unless it has been recommended by said Committee, and approved by the Board, in accordance with the law of the State." The following list of text-books, authorized in accordance with this provision in the several schools of the city at the close of the year 1883, has been carefully revised from the records of the Board since the previous publication in 1880.

FOR GRAMMAR AND PRIMARY SCHOOLS.

Analytical Speller.

Bowler and Thompson's Copy-Books.

Bible Manual. Perry.

Child's Book of Nature. Hooker.

Franklin, Second, Third, Fourth, and Intermediate Readers.*

Franklin, Elementary and Written Arithmetic.

Guyot's New Intermediate Geography.

History of the United States. Higginson.

Hotze's Physics.

Hour of Singing.

Jarvis's Physiology.

Monroe's First, Fifth, and Sixth Readers.†

Monroe's Practical Speller.

^{*} Second and Third Advanced.

[†] Revised in grades where the old series are now used.

Meservey's Single Entry Book-keeping. Grammar Classes. Music Readers. First, Second, Third, Fourth, and Intermediate. Our World. Part I. Swinton's Language Lessons.

Swinton's Introductory Geography.*

Scribner's Geographical Reader and Primer.

Worcester's Comprehensive Dictionary.

FOR TEACHERS' TABLES.

American Text-Book of Art Education. Smith.

Appleton's Readers. †

Cooley's Natural Philosophy.

Colburn's Common School Arithmetic.

Elementary Instruction. Sheldon.

Greenleaf's New Elementary Arithmetic.

Greenleaf's New Elementary Algebra. Eighth and Ninth Classes.

History of our Country. Richardson.

History of the United States. Barnes.

Harrington's Graded Spelling-Book.

Harper's Geography.

Lesson on Objects. Calkins and Sheldon.

Meservey's Book-keeping. Eighth and Ninth Classes.

Manual of Commerce.

Manual of Parsing. Eighth and Ninth Classes.

McGuffey's Readers.†

Swinton's School Composition.

Swinton's Language Primer.

Walton and Hagar's Written Arithmetics. All classes.

Walton's Common School Arithmetic.

Wilson's Readers.†

Worcester's Comprehensive Dictionary.

^{*} As reading-books in grammar grades. † And other Supplementary Reading, with Globes, Maps, Charts, etc.

FOR EACH SCHOOL BUILDING (ONE COPY).

Agassiz's Seaside Studies.

Alcohol and Hygiene. Colman.

First and Second Books of Botany. Youmans.

Geike's Geological Primer.

Goodrich's Child's History.

How to Teach.

Lippincott's Gazetteer.

Morse's First Book of Geology.

Supplementary Reading for Primary Schools. Parts I. and II. Parker and Marvel.

HIGH SCHOOL.

TEXT-BOOKS.

LATIN.

Grammar. — Harkness, or Allen and Greenough. Reader. — Harkness. Cæsar. — Harkness. Vergil. — Hanson and Rolfe. Cicero. — Chase and Stuart. Ovid. — Allen and Greenough, or Lincoln. Composition. — Harkness, Allen and Greenough, or Jones. Latin Method. — Allen and Greenough.

GREEK.

Lessons. — White. Grammar. — Goodwin. Reader. — Goodwin. Anabasis. — Goodwin, Owen, or Boise. Iliad. — Owen, or Boise. Composition. — Jones.

FRENCH.

Grammar. — Magill, or Keetels. Readers. — Magill. Prose and Poetry. — Magill. Life of Charles XII. — Voltaire. The Adventures of Telemachus. — Fénelon. Clos Pommier. Théâtre Classique. Dictionary. — Spiers and Surrenne.

GERMAN.

Grammar. — Otto, or Sheldon. Readers. — Alms. German Translation of Campbell's History of the United States. — Fischer. Marie Stuart. — Schiller. Minna von Barnhelm. — Lessing. German Classics. — Bucheins. Dictionary. — Adler, or Elwell.

MATHEMATICS.

Algebra. — Eaton, Wentworth, or Greenleaf. Geometry. — Wentworth. Trigonometry. — Bradbury. Surveying. Logarithms. — Pierce. Analytic Geometry. Arithmetic. — Walton, or Crittenden.

ENGLISH.

Language.

Exercises in Composition. — Parker. Sketch-Book. — Irving. English Classics. — Clark and Maynard, and Rolfe. Modern Classics. — Houghton & Co., Publishers. Literary Studies. — Morgan. Shakespeare. — Hudson, or Rolfe. Prose and Poetry. — Hudson. Poems of Goldsmith. — Rolfe. Rhetoric. — Hart. How to Write Clearly. — Abbott.

Science.

Natural Philosophy. — Quackenbos. Physics. — Rolfe and Gillett, Arnold and Avery. School and Field-Book of Botany. — Gray. Chemistry. — Eliot and Storer, or Hooker. Astronomy. — Lockyer. Zoölogy. — Hooker. Mineralogy. — Hooker. Geology. — Hooker. Political Economy. — Nordhoff. Physical Geography. — Guyot. Mental Philosophy. — Wayland. Moral Philosophy. — Peabody. Commercial Geography. — Harper. Questions on Geography. — Tufts. Book-keeping. Comer, or Meservey, the latter single and double entry.

History.

Constitution of the United States. — Andrews. Outlines of History. — Swinton, or Freeman. Smaller Histories of Greece and Rome. — Smith. History of Rome. — Leighton.

PENMANSHIP.

Eclectic System. — Thompson and Bowler.

MUSIC.

High-School Choir. — Emerson and Tilden.

DRAWING.

American Text-Book of Art Education. — Smith.

DECLAMATION.

Union Speaker. - Philbrick.

REFERENCE BOOKS.

History of Greece. - Grote. History of England. - Hume. History of England. - Froude. History of England. - Macaulay. History of England. - Collier. Middle Ages. - Hallam. Constitutional History of England. - Hallam. History of Civilization in England. - Buckle. History of the Romans. - Merivale. History of Rome. - Arnold. Plutarch's Lives. - Clough. Ancient History. — Rawlinson. Smith's History of Greece. — Felton. History of the United States. - Bancroft. History of Peru. - Prescott. History of Mexico. — Prescott. History of Philip II. — Prescott. Robertson's Charles V. - Prescott. History of the United Netherlands. - Motley. American Conflict. - Greeley. Universal History. - Tytler. Rise of Dutch Republic. - Motley. Science of Language. - Müller. Shakespeare's Works. - White. Scott's Poems. History of the English Language. - Marsh. Grammar of English Grammars. - Goold Brown. Dick's Works. Information for the People. - Chambers. Handbook of English Literature. — Underwood. History of English Poetry. — Warton. Eng. lish Literature. - Taine. Concordance of Shakespeare. - Clarke. History of Philosophy. — Lewes. Natural Philosophy. — Cooley. Manual of Mythology. - Murray. Manual of English Literature. -Shaw. Familiar Quotations. - Bartlett. Shakespearean Grammar. -Abbott. Dictionary of Americanisms. - Bartlett. Essay on the Human Understanding. - Locke. Juventus Mundi. - Gladstone.

English Synonymes. — Whately. English Synonymes. — Graham. English Synonymes. — Crabb. English Synonymes. — Smith. French Grammar. — Girault-Duvivier. Getting to Paris. — Williams. Age of Fable. - Bulfinch. Age of Chivalry. - Bulfinch. Chemistry. — Muspratt. Physics. — Ganot. Principles of Geology. - Lyell. Manual of Geology. - Lyell. Manual of Geology. - Dana. Manual of Botany. - Gray. Structural and Systematic Botany. — Gray. Trees and Shrubs of Massachusetts. — Emerson. The Earth. — Reclus. The Ocean. — Reclus. Latin Grammar - Madvig and Zumpt. Greek Grammar. - Sophocles and Had-Greek Moods and Tenses. — Goodwin. Classical Dictionary. -Anthon. Greek and Roman Biography. - Smith. Greek and Roman Geography. - Smith. Charicles and Gallus. - Becker. Dictionary of Roman and Greek Antiquities. - Rich. English-Latin Dictionary. - Smith. Dictionary of Authors. - Allibone. English Dictionary. — Richardson. French Dictionary. — Bescherelle. Biographical Dictionary. - Lippincott. Gazatteer. - Lippin-English Dictionary. — Webster. English Dictionary. — Worcester. American Cyclopædia (two sets). Greek Lexicon. — Liddell and Scott. Latin Lexicon. - Andrews and Bullions, and Harper's. General Statutes of Massachusetts. Supplement to General Statutes. American Text-Book of Art Education. - Smith.

Besides the above a set of the best editions of classical English authors, for reference in the study of English literature.

Globes, Maps, Charts, and Philosophical Apparatus.

A laboratory, with city water and gas, and all needed apparatus and appliances for elementary chemistry, in qualitative and quantitative analysis.







CITY OF NEWTON.

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NEWTON FREE LIBRARY

FOR THE YEAR ENDING DEC. 31, 1883.



BOSTON:
FRANKLIN PRESS: RAND, AVERY, & CO.
1884.



BOARD OF TRUSTEES, 1883.

AT LARGE.

BRADFORD K. PEIRCE

BRADFORD	K.	PEIR	CE										TERM	EXPIRES	1884
JOHN S. FA	RL	WC		٠									TERM	EXPIRES	1885
WILLIAM C	LAF	LIN											TERM	EXPIRES	1886
A. LAWREN	CE	EDM	AND	\mathbf{S}					•				TERM	EXPIRES	1887
JULIUS L.	CLA	RKE											TERM	EXPIRES	1888
	FF	ROM	THE	Ξ {	ВО	AR	D	0	F.	ΑL	DE	R	MEN.		
DAVID T. I	BUN	KER											TERM	EXPIRES	1883
FR	ОМ	THE	ВО	AF	RD	0	F	CC	MC	MC	NC	C	OUNG	DIL.	
WILLIAM D	ETD	יזרי											Tunne	**********	1009

BOARD OF TRUSTEES, 1884.

AT LARGE.

TERM EXPIRES 1885

JOHN S. FARLOW

WILLIAM CLAFLIN

THE STATE OF THE S	•	- 134014	DIEK III	1000
A. LAWRENCE EDMANDS		TERM	EXPIRES	1887
JULIUS L. CLARKE		TERM	EXPIRES	1888
BRADFORD K. PEIRCE		TERM	EXPIRES	1889
FROM THE BOARD OF ALD	DEF	RMEN.		
NOAH W. FARLEY		TERM	EXPIRES	1884
FROM THE BOARD OF COMMO	N	COUNC	DIL.	
FREN THOMPSON		TEDM	EVDIDEC	1884

ORGANIZATION FOR THE YEAR 1883.

PRESIDENT.

JOHN S. FARLOW.

SECRETARY.

JULIUS L. CLARKE.

COMMITTEE ON THE LIBRARY.

PRESIDENT, ex officio.

JULIUS L. CLARKE.

BRADFORD K. PEIRCE. WILLIAM CLAFLIN.

COMMITTEE ON THE BUILDING.

PRESIDENT, ex officio.

WILLIAM PEIRCE.

A. LAWRENCE EDMANDS. DAVID T. BUNKER.

SUPERINTENDENT.

BRADFORD K. PEIRCE.

LIBRARIAN.

HANNAH P. JAMES.

ASSISTANT LIBRARIANS.

ELIZABETH P. THURSTON. ETTA P. CLEAVELAND.

LOUISE J. SMALLWOOD. MILLIE E. MICHAELS.

JANITOR.

JAMES J. TOWER.

ORGANIZATION FOR THE YEAR 1884.

PRESIDENT.

JOHN S. FARLOW.

SECRETARY. JULIUS L. CLARKE.

COMMITTEE ON THE LIBRARY.

PRESIDENT, ex officio. BRADFORD K. PEIRCE. WILLIAM CLAFLIN.

JULIUS L. CLARKE,

COMMITTEE ON THE BUILDING.

PRESIDENT, ex officio. A. LAWRENCE EDMANDS. NOAH W. FARLEY.

EBEN THOMPSON.

SUPERINTENDENT. BRADFORD K. PEIRCE.

LIBRARIAN.

HANNAH P. JAMES.

ASSISTANT LIBRARIANS.

ELIZABETH P. THURSTON. ETTA P. CLEAVELAND.

LOUISE J. SMALLWOOD. MILLIE E. MICHAELS.

JANITOR.

JAMES J. TOWER.









TRUSTEES' REPORT.

To his Honor the Mayor and the City Council of Newton.

It is extremely gratifying to the Trustees, at this opening of a new year, to be able to present to you and to the citizens of Newton so favorable a report of the condition of the affairs of the Newton Free Library as is shown in the Report of the Superintendent herewith submitted.

We trust it will prove equally gratifying to you and them, showing, as it does, the marked and steady progress of the Library in the character claimed for it as a great educational aid in our city.

Tables A and B in the Appendix to that Report show the receipts from all sources during the past year to have been \$8,878.39, and the expenditures \$8,874.73; leaving a balance on hand, at the close of the year, of \$3.66.

There has also been expended from the income derived from the Jewett Art Fund, in the purchase of works on art, illustrations, and photographs, the sum of \$369.70, and from the Alden-Speare Fund, for works on manufacturing and its related subjects, the sum of \$48.42. These are independent and special funds, the incomes from which are devoted and applied to the purchase of the specialties called for by the terms of their endowment, and in the accounts of the Library are kept separate and distinct from those of the appropriations made to the Library by the City Council.

The forty thousand dollars devised to the City of Newton by the late Charles A. Read, for library and other purposes, having now been received by the city, and the amount invested for account of the beneficiaries under his will, we may reasonably conclude that the Library will receive during the current year the portion of the income therefrom to which it is entitled under the terms of the will. Such, we presume, was also the expectation of the City Council when it reduced the annual appropriation for the Library for the current year five hundred dollars below that of last year. The estimates given in Table G of the Superintendent's Report show conclusively that we shall require every dollar we can realize this year from the bequest of Mr. Read for the necessary purchase of books, in order to meet the just requirements of our readers. In this connection we would respectfully renew the suggestion made to the City Council in our Report of last year; viz., that the portion of the income derived from the bequest of Charles A. Read which the Library is entitled to receive from the City, under the provisions of his will, be made a special appropriation to the Trustees of the Library, so that they may be enabled to devote and apply it to the creation and support of a special department of the Library, commemorative of the donor, and to be denominated the Charles A. Read Fund, or such other as may be deemed most appropriate.

We would call the particular attention of the City Council to the suggestions in the Report of the Superintendent, touching the need of the Library, in the near future, of an addition to its building, for the better accommodation of its reference department and those of our people having occasion to consult it. This reference department is now one of great importance and usefulness to our school-teachers and others, and certainly requires better facilities in order to properly fulfil its purpose than the present library building can now furnish.

The pleasure derived by the Trustees in the performance of their duties has been greatly enhanced by the harmonious and quiet manner in which all the details of the business affairs of the Library have been conducted by every one connected with it. We earnestly hope that the Mayor, and members of the City Council, will make many visits to it during the year, and witness for themselves the evidences on every hand of the great good it is accomplishing, and the manner of its doing.

J. S. FARLOW,
President of the Board of Trustees.

SUPERINTENDENT'S REPORT.

To the Board of Trustees of the Newton Free Library.

Gentlemen,—I have the honor to present to you the Annual Report of the Library for 1883, with the usual tables of statistics, which show the cost of administration, the amount expended for books, the character of the purchases made, the comparative circulation, and the proportion in which the different departments of literature are used and enjoyed by our citizens. The City Council generously enlarged our appropriation by five hundred dollars last year; but the whole of this amount was nearly exhausted in the increased expense of administration, and in the publication, which had become indispensable, of the additions to our Catalogue. In every other instance it will be seen, by examining our Table B, we have kept the incidental expenses within the averages of late years.

We have succeeded in securing from the appropriation a hundred dollars more for books during the past year than the previous one, and very considerable and valuable additions from the funds held by the Trustees of the Library. The visit of Miss James, the Librarian, to England, enabled us, at very much reduced prices, to secure a fine collection of books, both for the general list and the art department.

The weekly announcement of the new books, with a short description of their contents, in the local papers, has served to bring the fresh acquisitions to the knowledge of our patrons, and to awaken interest in their perusal.

This plan, which has now been in successful operation for two years, has attracted the attention of neighboring libraries, and the same course has been followed, or slips from our papers containing these titles have been sought.

The disproportion between the amount expended in the administration of the Library and that for books arises from the successful effort to make daily exchanges in all our widely separated wards. By this plan we not only secure the advantage of one central institution and a more rapid and economical increase of books, but we really carry the advantages of the Library almost to the doors of all our citizens. There has been scarcely any complaint during the year of failure to meet the just expectations of all our patrons in the most distant portions of the city.

This arrangement of agencies in the different wards entails a large annual cost in carrying out and returning the books daily, and in the incidental expenses of the different depositories, but is far more economical than the establishment of separate branches.

Up to last year there had been an annual increase in the number of volumes taken from the Library. This year, for the first time, a slight falling off will be noticed. For one or two years, in all the larger circulating-libraries of the country a similar decrease has been experienced, and has been a matter of consideration, particularly in the Boston Public Library; and different reasons have been suggested as the occasion for it.

With us many reasons have operated to produce this result. First, the absence of our families from the city during the summer vacation increases both in length of time and in the number of those availing themselves of the opportunity. The number of books taken from the Library during these months is much smaller than in other portions of the year. Second, the increase of cheap periodicals publishing the sensational fictions of the day, and freely purchased by families, especially at the close of the week, makes a sensible impression upon the circulation of the libraries. We have not sought to win back any such readers, or to offer facilities for the cultivation of a taste for this form of literature, by taking special pains to provide, and publicly announce, accessions to our shelves of any of the unwholesome, exciting, and badly-written novels of the hour.

On the other hand, we have not failed to secure several copies of each of such works of fiction as can pass the ordeal of a fair criticism, and apparently carry no specially evil influence with them in their general circulation. It is proper to say, in commendation of our Newton community of readers, that we have but a small demand for the other class of fictitious works. It may be that these are seldom asked for on account of the well-established and known policy of the Library from its origin.

Third, a more marked reason for this slight falling away in the aggregate number of volumes issued during the year is found in the gradual but healthful change in the taste and requisitions of our readers. Our comparative statistics show a significant gain in the percentage of works of history, of natural science, of essays, poetry and dramatic works, and of theology, and a slight decrease in the percentage of fiction. Two things result from this fact. It requires much more time to read these substantial books, and fewer books will therefore be taken out during the year; and the neglect, which this better reading renders necessary, of the lighter literature, decreases (without occasioning regret) the circulation of the Library at the point where it is most sensitive, and where it usually finds its largest field for growth. In the different wards of the city, clubs have been formed, both of adults and youth, for general reading, for historical study, for political discussions, and for investigations in natural science.

The effect of these associations is felt in a marked degree at the Library, both in the quality of books now sought, and in the use of it for constant reference and study. The very highest office that can be sought or desired for the Library, it is already beginning to accomplish for the community. Its work as a people's university is fairly opened. Every day its tables are covered with volumes for examination by those who are interested in some special form of study. It is becoming more and more a reference library, without limiting its usefulness and breadth as a circulating medium.

In a community like ours, becoming so inviting to literary men, and already the residence of an unusual number of professional writers and students, the requisitions upon such an institution as ours must continually increase. We have sought every year, while securing the current literature of the day, to add to our substantial books the most important and rarest works of reference. The twenty thousand volumes already upon our shelves seem to be quite an extensive collection; but their comparatively meagre character is revealed when one is engaged upon an historical, philosophical, or scientific problem, and wishes to refer to original sources for information or confirmation. One of our cultivated ladies, in preparing a paper for the historical club to which she belonged, desired to obtain as much information as possible of Louis XIV. of France and his times. Our card catalogue offered some interesting material; but it was of the most familiar character, and very limited.

Some of the most valuable literature of the times is contributed in a condensed form to the quarterly and monthly periodicals, American and foreign. We have made a good beginning in supplying our alcoves in this direction; but very much land in this field of accession remains to be possessed. The invaluable "Index of Periodicals," by Mr. Poole of Chicago, to be continued by him, with the assistance of the Library Association, opens up the richest treasures in all branches of literature, science, and art, for both the amateur and the scholar.

In some of our families full sets, or the earlier series, of such serials as the "Gentleman's Magazine," are preserved. It would be both a graceful and a gratefully-appreciated gift to the Library, if they could be intrusted to our shelves, and made to gladden a wider circle of delighted readers.

One of our citizens who has taken a deep and intelligent interest in the Library, Mr. Samuel P. May, suggests that it would be of service to students if persons owning rare books or collections, if willing to have them consulted, should furnish a list of them to the librarian. He has himself made the Lland of Guernsey a special study, and has on his shelves every history of it that has been published, with portfolios of natural scenery, and architectural views and photographs. He has guide-books also to all the Channel Islands. He

mentions in the same note the very full collection of literature relating to the Sandwich Islands, in the possession of Mr. G. D. Gilman of Ward 7.

A large and attractive addition to the Library was made during the visit of Miss James to England and Scotland last summer. Among the most interesting portions of this collection are a fine series of photographs of the English cathedrals, and a rich portfolio of Scotch views. The former will be arranged in volumes, beautifully mounted, with short descriptive notes, and when completed will afford an interesting study, both to those who have visited these historical and noble structures, and to those who have never seen them.

This reference to our art collections, and to the growing use of the Library for purposes of reference and study, reminds us of what is already a very important requisition of the institution, and will become more and more necessary during every succeeding year.

We shall be able to find shelf-room in Edmands Hall for the regular accumulations of the Library for several years to come; but already great inconvenience is experienced by those who come daily to the Library to examine its books of reference, to take notes, and to study up on some subject.

We have no retiring, quiet rooms or alcoves. Our two tables are often crowded both in the afternoon and evening. For the very best services that the Library can offer the community we have the poorest provisions. There is every reason for encouraging this study of the contents of our shelves on the part of our young people and citizens. It is thus both bestowing upon the people a form of liberal education, and creating higher and more improving tastes.

Besides, our art collections need opportunity for their better display. We have no doubt, that, if we had suitable walls on which to hang pictures, we should receive additional works of art like those which now grace our limited space.

Our Art Fund, the gift of a generous and cultivated citizen, annually affords the means of adding to such collections.

What is greatly needed is an additional hall at the rear of the main building. There is an adequate site for this on the Library premises. Being hidden by the front edifice, no expense for architectural embellishment on the outside would be required. For a comparatively small sum a building could be constructed which would meet these very necessary requisitions for art-room and study, as well as for such additional shelving as will become indispensable a few years hence.

In such a community as ours, it would not seem impossible that some public-spirited citizen endowed with wealth, appreciating this opportunity to make a permanent and very useful gift to the city, might be pleased to connect his name with a new hall erected for these purposes. The large subscriptions from our citizens by which the fine stone edifice was erected, and fifteen thousand volumes placed upon its shelves, when it was made a free gift to the City of Newton, suggest the possibility that such worthy deeds have not exhausted the intelligent generosity of our men of property, and that other names may yet be added to the founders of this popular institution.

We desire to bear our testimony once more to the value of the American Library Association, which holds its annual meetings in different portions of the country. Last August the sixth general convention was held in Buffalo. hundred representatives of public and special libraries were in attendance, and the four days' sessions drew together quite a large audience from the city. The very valuable papers and discussions of these congresses of expert librarians and superintendents become of wider and permanent service by their publication in full. All the important questions relating to the administration of libraries, the preservation of the books, the means of rendering the library of the greatest benefit and the least peril to the community, especially the wisest practical measures for connecting the public school and the free libraries, and making the latter administer to the usefulness of the former, are amply discussed, and illustrated by individual experiments, in the progress of these annual gatherings.

These conferences also disclose the treasures of the different collections of books in the country, and, by the combination of workers, provide such important keys to the resources of libraries as the "Index to Periodicals," and other works of a similar description.

The sessions of the association form an admirable normal school for the assistants in libraries, of which an increasing number every year avail themselves.

We see no occasion during the current year for any large expense outside the ordinary requirements of the Library.

The adequate ventilation of the reading-room, which is now used by a large number of persons, is a problem that has not yet been solved. The occupants of the room, particularly in the evening, very justly complain of the stifling and unwholesome atmosphere. If the Committee on Public Buildings can secure relief in this direction, they will receive the hearty thanks of many suffering citizens, both gentlemen and ladies.

Our staff has remained unchanged, and we have reason to hope will continue as heretofore during the present year. Familiar with the contents of the Library, attentive and courteous, they justly receive the warm commendations of those visiting Edmands Hall, and availing themselves of its privileges. The Librarian is our best catalogue, and is able to give and does devote much of her time in aid of those seeking the advantage of our collections who hardly know where to look to find what they require.

It is only becoming on our part to tender our hearty thanks to Hon. W. P. Ellison, our late Mayor, for his unfailing interest in the Library, and his personal attentions to its wants; and to the gentlemen of the City Council for their cheerful and generous appropriations. Several of them have made visits to the Library, looking into its manner of administration, learning the nature of its work throughout the city, and inquiring as to any of its unsatisfied wants. These visits are always heartily welcomed.

The work of the Superintendent has been rendered comparatively light by the ready assistance of the Librarian, and the valuable services, freely offered, of the members of the Board.

Respectfully submitted.

APPENDIX.

A.

Receipts.	1883.	1882.	1881.
Dec. 31. Municipal appropriation Fines, bulletins, etc Cash on hand at last report	\$8,500 00 329 32 49 07 \$8,878 39		17 28

B.

Expenditures.	1883.	1882.	1881.
Dec. 31. Salaries Reading-room Incidentals Repairs Furniture and fixtures Printing and advertising Binding Bi	\$3,611 94 345 12 300 22 22 00 53 19 306 50 252 11 2,013 44 696 15 1,140 99 110 93 22 14 \$8,874 73	46 35 45 30 35 00 265 90 1,911 29 675 88 1,141 66	742 15 977 27
Total balance	3 66	49 14	23 64
	\$8,878 39	\$8,328 37	\$7 ,851 19

C.

CIRCULATION.	1883.	1882.	1881.
Number of days the Library was		_	
open	306	305	306
of holidays the Library was closed of other week-days the	7	7	6
Library was closed of volumes delivered for			1
home use	83,430	85,701	85,333
Average daily use	272.7	280.9	278.8
Feb. 25, and March 18, 1882; Feb. 19, 1881	505	536	526
April 27, 1882; Dec. 26, 1881. Number of books lost and not paid	144	164	8
for of books worn out and	10	5	2
withdrawn	46	44	51
of notices to delinquents.	787	643	835
of volumes re-covered	11,047	12,295	16,453
of volumes bound of names registered during	465	556	577
the year	850	1,254	631
Total number of names registered,	12,261	11,411	10,157

D.

Accessions.	1883.	1882.	1881.
Increase by purchase by gift	1,073 93 1 79	1,084 54 69	994 164 5 79
Total accessions for the year .	1,246	1 207	1,242
Number of volumes missing or withdrawn since last report	60	1,207 49	53
Actual increase	1,186	1,158	1,189
Number of volumes in the Library as last reported	19,360	18,202	17,013
Total number of volumes in the Library	20,546	19,360	18,202
Number of pamphlets bound since last report	5	• •	15
Number of newspapers subscribed for of newspapers given of magazines subscribed for	42 20 3 6	41 20 32	39 20 31
of magazines given	2	4	3
Total number received	100	97	93

E.

Essays, poetry, and drama, 168 2,567 5,797 6.95 6.4 Periodicals 63 1,351 1,950 2.3 2.85 Foreign literature 3 457 275 .3 .5	
Literature. Prose, fiction, and juvenile reading 180 4,778 56,830 68.1 68.3 Essays, poetry, and drama, Periodicals 63 1,351 1,950 2.3 2.85 Foreign literature 3 457 275 .3 .5	69.1 6.9 2.5
Prose, fiction, and juvenile reading 180 4,778 56,830 68.1 68.3 Essays, poetry, and drama, Periodicals 63 1,351 1,950 2.3 2.85 Foreign literature 3 457 275 .3 .5	$6.9 \\ 2.5$
771	
History. Geography and travels	7.23 3.94 4.08
Arts and Sciences. Natural science and industrial arts 131 1,869 4,877 5.9 5.4 Political and social science, Theology 66 975 699 .83 .52 Reference library 147 1,794 99 .12 .2	5.04 .4 .34 .13
Accessions for the year, 1,186	
Number of volumes in the Library	
Circulation for the year,	

F.

Received for catalogues sold in 1883	\$20 80
Paid City Treasurer	\$20 80

G. ESTIMATED EXPENSES FOR THE YEAR ENDING DEC. 31, 1884.

S	alaries														.	\$3	,612
R	eading-room														.		350
In	ncidentals .					٠.									.		250
R	epairs														.		50
F	urniture and	fixtu	res														60
P	rinting and a	dvert	isin	o	·	Ĭ.	Ĭ.			Ĭ.			i				100
B	inding			о	Ť							Ĭ.					260
B	ooks		·	,	·			·	Ĭ.		Ċ	Ċ		Ĭ		9	2,000
Ī	ight and fuel		•	·		•	•	•	Ů	Ť	•	•	•	•	11	_	700
l D	ight and fuel istributing ag	renci	es ai	nd	evi	ras		•	•	•	•	•	•	•	. 1	1	,200
B	lanks and sta	tions	CB 60:	iiu	CAL)I Co	,,,	•	•	•	•	•	•	•		•	120
p	ostage accoun	+	,1 y	•	•	•	•	•	•	•	•	•	•	•			25
1	ostage accoun		•	•	•	•	•	•	•	•	•	•	•	•			20
																0.0	3,827
р	robable amou	nt of	· fin	00									\$300	0 (00	ФС	,021
1	robable amou	116 01	. 1111	es	•	•	•	•	•	•	•	•	φουί	0 (25		
D	ash on hand lequired appro	• • •		•	•	•	•	•	•	٠	•	٠,	່ະຄ) () (00		
D	equired appro	pria	tion	•	•	٠	•	٠	•	•	•	(5,526	9 6	99		007
												-				\$5	8,827
															3		

CITY OF NEWTON.

ANNUAL REPORT

OF THE

CHIEF OF FIRE DEPARTMENT

OF THE

CITY OF NEWTON,

FOR THE YEAR ENDING DEC. 31, 1883.

WITH A STATEMENT OF THE FIRES AND ALARMS, ALSO LOSSES AND INSURANCE, DURING THE YEAR.



BOSTON: FRANKLIN PRESS: RAND, AVERY, AND COMPANY. 1884.

CITY OF NEWTON.

IN BOARD OF ALDERMEN, Jan. 21, 1884.

ORDERED, That the Committee on Printing is hereby authorized to have printed five hundred and fifty copies of the Report of the Chief of the Fire Department, expense of same to be charged to the general appropriation for printing.

IN BOARD OF ALDERMEN, Jan. 21, 1884.

Read twice, and adopted; sent down for concurrence.

J. F. KINGSBURY, Clerk.

IN COMMON COUNCIL, Jan. 28, 1884.

Read twice, and adopted in concurrence.

ALBERT S. GLOVER, Clerk.

Approved Jan. 30, 1884.

J. WESLEY KIMBALL, Mayor.









REPORT OF CHIEF ENGINEER.

FIRE DEPARTMENT HEADQUARTERS,
OFFICE OF CHIEF OF DEPARTMENT, CITY HALL,
WEST NEWTON, MASS., Dec. 31, 1883.

To his Honor the Mayor, and City Council.

In accordance with the requirements of the Ordinance governing the Fire Department of this city, I have the honor to present my Fifth and the Ninth Annual Report of the present system, giving a detailed statement of the manual force and apparatus, a record of fires and cause of same, loss, insurance, and insurance paid, together with such other information as may be of interest to your honorable body.

MANUAL FORCE.

The manual force consists of 79 officers and privates, which are apportioned as follows:—

PERMANENT EMPLOYEES.

- 1 Chief of Department.
- 1 fire-alarm operator.
- 3 engineers of engines.
- 3 drivers of engines.
- 1 driver of truck.
- 1 driver of hose-reel.

Total, 10.

CALL FORCE.

- 1 Assistant Chief of Department.
- 8 foremen of companies.

8 assistant foremen of companies.

3 stokers of engines.

10 truckmen.

39 hosemen.

Total, 69.

APPARATUS.

The apparatus in service consists of —

3 steam fire-engines (complete).

7 four-wheel horse hose-reels.

1 two-horse truck.

3 coal-tenders.

6 hose and exercise sleighs.

1 Concord buggy, 1 cutter, for Chief of Department.

1 wagon, 1 sleigh, for Fire-Alarm Department.

1 truck platform on runners.

PRESENT CONDITION OF APPARATUS.

No. 1 Engine is in perfect repair. The reel at this station should be fitted with brakes, a tool-locker, and the running gear painted.

No. 2 Engine is in good repair, but requires touching up and varnishing. The reel at this station requires very extended repairs. I would recommend the purchase of a new reel.

No. 3 Engine will require thorough overhauling and extensive repairs throughout. The reel at this station is in good repair, requiring only repair to paint, and varnishing.

No. 1 Truck requires heavier set of rear wheels: otherwise

in excellent repair.

No. 4 Reel is in complete order.

No. 5 Reel requires set of brakes and tool-locker: otherwise in good repair.

No. 6 Reel, by order of the City Council, was thoroughly repaired and painted by the Abbott Downing Company the past year, and is now in proper condition for the service required.

No. 7 Reel is in good repair, having been fitted with brakes and tool-locker during the year.

A new wagon should be provided for the Fire-Alarm Department.

HORSES.

Seventeen horses are permanently employed in this department, all, with two exceptions, being in fine order. A new horse should be provided for No. 5 Hose, also one for the Fire-Alarm Department.

New horses were purchased for No. 3 Engine and No. 4 Hose, to replace those unfit for the service.

HOSE.

The present condition of this portion of the equipment is as follows:—

5,950 feet of first-class cotton hose, "American Jacket," distributed to Engines 1, 2, and 3, and No. 4 Hose. In reserve, and in charge of Companies 5, 6, and 7, 5,850 feet of leather hose, in fair condition for hydrant pressure, but unreliable for engine-service. The present distribution of the hose is such that no new hose will be required the coming year.

STATIONS.

NO. 1 STATION.

In accordance with recommendations, the City Council authorized the changing of the bunk-rooms from the rear to the front of the building: this alteration also provided for a "sliding pole." The above changes not only added to the comfort of the employees, but facilitate the quick despatch of men and apparatus in response to alarms.

The Council also authorized the rebuilding of the stable at this station. As at present arranged, future necessities are provided for, as well as the present comfort of the horses. I would renew my recommendations of former years, for the removal of the police-station from the building.

NO. 2 STATION.

This is in good repair. Additional lockers are required in bunk-rooms, and necessary repairs to stalls.

NO. 3 STATION.

Has been painted and otherwise improved the past year, and is now in good repair.

NO. 1 TRUCK STATION.

Is in excellent repair generally. Some of the bunk-rooms require painting, curtains, and carpets. I would suggest the changing of the glass in front doors at this station.

NO. 5 STATION.

This station received necessary repairs the past year, having been painted inside and out, bath-room provided, and otherwise improved. I would recommend repairs to stalls and doors.

The using of this station for a voting precinct is contrary to the best interests of the service; and I would earnestly recommend that the further use of this station for such purposes be discontinued.

NO. 6 STATION.

This requires painting inside and out, but otherwise is in good repair. New front doors have replaced those formerly used, and much-needed ventilation has been provided for the bath-room.

NO. 7 STATION.

Is in good repair. Drainage and ventilation, both of which were urgent necessities, received the early attention of the proper committee. Slight alterations and repairs to stalls should be attended to the coming year.

The "sliding pole" used in Stations 1, 2, 3, and No. 1 Truck, having proved its usefulness, I would recommend its general adoption.

FIRE-ALARM TELEGRAPH.

The Fire-Alarm Telegraph was first introduced under the town government in October, 1873. At that time it consisted of thirty-five miles of wire, divided into four circuits, with fifteen signal-stations, three tower-strikers, four fifteeningh and two eight-inch gongs. This system has kept pace

in a measure with the growth of the city, and at the present time consists of fifty-three miles of wire, upon which thirty-three additional signal-stations, four tower-strikers, five fifteen-inch and four eight-inch gongs, and four "electric door attachments" have been added. The close of the present year completes ten years of service in this city. During this time it has proved indispensable, not only to the Fire Department, but to the citizens at large, whose interests it has protected at all times.

Most of the poles upon which the wires were placed have become defective and unsafe; particularly is this the case on Waverly Avenue. Repairs of this nature will be required more or less on all the circuits the coming year.

Street widenings and alterations, the enlarging of the track-bed of the Boston and Albany and the Circuit railways, have added very considerably to the expense-account of this department. In accordance with recommendations from this department, the City Council authorized the purchase of two additional signal-stations, which have been placed in circuit as follows: Station 53, Grove Street and Pine-Grove Avenue; station 112, Washington Street and Hunnewell Park. As the placing of signal-stations in desirable localities throughout the city has aided very materially in reducing our fire losses, I would recommend their purchase each year, as public necessity may require.

The eight-inch steam whistle, with the necessary apparatus for working the same, in connection with the fire-alarm, and located upon the Paper-Mills of C. F. Crehore, Esq., March, 1883, was, in accordance with the contract, given a three-months' test, and, the same proving entirely satisfactory, its purchase was authorized by the City Council.

An "electric trip," for the instantaneous releasing of the horses, operating from the "direct circuit," has been placed in Stations 1, 2, 3, and No. 1 Truck. Its object is to improve each second of time in the sending-out of apparatus in re sponse to alarms. Its success has more than justified anticipations, and doubly repaid the small outlay required for its adoption.

TELEPHONE DEPARTMENT.

The present telephone circuit owned by the city, consisting of sixteen miles of wire with fourteen stations, has proved invaluable in facilitating the business of the several departments, and, while receiving the constant attention of this department, is too much crowded to render satisfactory service at all times. To relieve this in a measure, I would recommend that a separate circuit be provided for the Police Department, the construction of which could no doubt be arranged with the Telephone Company at small expense.

HYDRANTS.

The careful attention paid to the condition of the hydrants by the Water Department is shown by the perfect order in which they have been found at all times when required by this department. In accordance with recommendations, the following new hydrants have been located during the year:—

Hovey and Waban Streets.

Newtonville Avenue and Mount Ida Street.

Newtonville Avenue, between Oakland and Howard Streets.

Beacon Street, west of Almshouse.

Elliott, between Mechanic and Oak Streets.

Floral Avenue and Walnut Street.

Ward and Hammond Streets.

Kennilworth and Ivanhoe Streets.

Montrose and Ivanhoe Streets.

In addition to these, the following were placed upon new and old mains:—

Dalby and Watertown Streets.

Fairmount Avenue, west of Centre Street.

Peabody and Washington Streets.

Pearl, 400 feet south of Watertown Street.

Otis, 500 feet west of Murray Street.

Walnut and Mill Streets.

Station, 200 feet south of Glen Avenue.

Monument Avenue, 400 feet east of Waverly Avenue.

Derby and Cherry Streets.

Derby, 400 feet west of Cherry Street.

VISITORS.

The continued interest manifested in the department by our citizens is shown by the registers, which give a total of a thousand visitors during the year.

Visiting hours, ten A.M. till ten P.M.

RECOMMENDATIONS.

The appointing of drivers for the hose-reels is an imperative necessity. The continued increase of the duties of the department, and the growth of the city, demand that these positions be filled with permanent employees. I would respectfully but earnestly ask your careful consideration of this important matter the coming year.

I would recommend a fire-alarm signal-station at Belmont and Arlington Streets, as petitioned for; also one at Greenough and Auburn Streets.

Additional hydrants as follows: -

Cherry, between Webster and River Streets.

Winthrop and Lander Streets.

Cherry and Henshaw Streets.

Margin, between Highland and Chestnut Streets.

Woodland and Vista Avenues.

Vernon Street and Waverly Avenue.

Sargent, between Park and Waverly Avenue.

Arlington and Belmont Streets.

Court Street and Central Avenue.

Beacon Street, opposite W. C. Strong's.

Crystal and Beacon Streets.

Pleasant Street and Lake Avenue.

Glen Avenue and Elgin Street.

I would recommend the adoption of steam for heating purposes for the High School and City Hall buildings, and the placing of fire-alarm stations in the several school-buildings.

That portion of Wards 1 and 2 known as Nonantum, and of Ward 5, as the Highlands, which are growing rapidly, and are without apparatus of any kind, will soon be asking protection. I would suggest a consideration of the merits of chemical engines.

FIRES AND ALARMS.

There has been a total of 101 alarms during the year, an increase of 42 over the preceding year; the prompt attendance of the department in all cases preventing serious losses.

This department has also rendered assistance in response to calls from the Brighton District (Boston), also Wellesley Hills.

For loss, insurance, insurance paid, etc., see Statistics.

INSPECTION OF BUILDINGS.

In accordance with the requirements of Ordinance 13, Sect. 11, governing the inspection of buildings by the Chief of Fire Department, I have to report a total inspection of 118 buildings as follows: -Buildings, new . 107 Buildings, remodelled 10 Buildings condemned as unsafe, and taken down. 1 MATERIAL OF CONSTRUCTION. Wood 113 Stone Brick Above buildings to be occupied as follows: — Dwellings 99 Stables. 11 Schools. Stores . Storehouses . 1 Shop

A very general desire on the part of owners and builders to conform to the ordinance has made the duties of the inspecting officer comparatively light.

The outlook for 1884 would indicate a very material increase in the number of buildings to be erected.

APPROPRIATIONS, EXPENDITURES, AND RECEIPTS.

The appropriation for this department for the year ending Dec. 31, 1883, was \$24,000. In addition to this amount,

\$97.51, received for the sale of old material, etc, was, by authority of the City Council, transferred to the above appropriation, making a total of \$24,097.51.

The expenditures for the year have been as per the following statement: -Salaries \$14,208 51 2,652 00 1,098 11 Maintenance fire-alarm, 2 fire-alarm stations, erecting the same . . . 1,146 24 Fire-alarm whistle, and erecting the same . 744 58 Repairs to apparatus. 515 56 Veterinary and medicines 338 70 Gas . 289 90 259 11 Water-rates for stations . 199 50 Miscellaneous, as per books of Auditor 2,242 08 Total. . \$23,937 79 Appropriation \$24,097 51 Expended. 23,937 79

ACKNOWLEDGMENTS.

\$159 72

Balance, transferred into Treasury .

In conclusion I may be pardoned for expressing the pride taken in the present condition of the force. The apparatus has at all times been in perfect condition, and the *morale* of the force worthy your special commendation.

The duties of the past year have been particularly exacting upon the call-force, and of a nature never before experienced in the history of the service.

That I am able to present to your honorable body so favorable a report is due in a great measure to the hearty co-operation of his Honor the Mayor, the City Council, and the Chairman and joint Standing Committee on Fire Department. In appreciation of which, permit me to tender my acknowledgments.

To the Assistant Chief of Department, and the officers and members of the force, I am personally indebted for the respect shown me in my official position, and their prompt and cheerful compliance with the requirements of the service; to the City Marshal and the members of his command, to the several heads of departments and their subordinates, for courtesies tendered during the year.

Respectfully submitted.

H. L. BIXBY,

Chief of Department.

APPENDIX.

JOINT STANDING COMMITTEE ON FIRE DEPARTMENT.

Aldermen. - J. WESLEY KIMBALL, Chairman, HENRY E. COBB. Councilmen. - W. G. BRACKETT, W. PEIRCE, W. P. HOLDEN, L. E. Leland (resigned Sept. 1, 1883).

LIST OF OFFICERS.

NAME.	RANK.	HEADQUARTERS.	RESIDENCE.
H. L Bixby,	Chief of Departm't,	City Hall No. 3 Engine-Station,	Margin Street.
W. P. Bemis,	Assistant Chief.		Centre & Beacon.

EMPLOYEES AND MEMBERS.

No. 1 ENGINE.

First-class, double pump, straight frame. Built by Hunneman & Co. 1867. Placed in service 1868.

STATION. - WASHINGTON, OPPOSITE NONANTUM STREET.

MEMBERS.	BADGE.	Position.	Occupation.	Residence.
F. D. Graves C. W. H. Boulton R. J. Morrisey O. A. Chick E. P. Burnham N. R. Sylvester E. P. Leavitt J. McCammon A. Spencer F. Liddell H. C. Lindley EMPLOYEES F. E. Judkins F. H. Harrington	8 9 6 7 5 14 11 4	Foreman, at call, Assistant, Hoseman, H	Slater Carpenter Mason Painter Painter Permanent.	Centre Street. Engine-Station. Gardner Street. Waverly Avenue. Engine-Station. Nonantum Street. Avon Street.

1	DATE.	APPOINTMENT	rs. POSITION.
March	1, 1883.	J. McCammon.	Hoseman.
May	1, 1883.	A. Spencer.	Hoseman.
Nov.	1, 1883.	F. Liddell.	Hoseman.
		HONORABLE DI	SCHARGE.

Aug. 15, 1883. E. T. Flaherty.

No. 2 ENGINE.

Second-class, double pump, crane-neck. Amoskeag. Placed in service 1872. STATION.—WASHINGTON STREET, OPPOSITE LINCOLN PARK.

MEMBERS.	BADGE.	Position.	Occupation.	Residence.
G. H. Haynes F. H. Humphrey J. Q. A Hawkes W. F. Rand T. W. Alfred R. J. Riley W. H. Nicholl C. M. Kebbe J. W. Crosby A. F. A. G. Libbey G. K. Stacy	21 23 26 28 27 29 24 30 25 22 19	Foreman, at call, Assistant, Hoseman, Hoseman, Hoseman, Hoseman, Hoseman, Hoseman, Hoseman, Hoseman, Hoseman, Koseman, Hoseman, Hoseman, Koseman, K	Carpenter . Merchant . Painter Car'gemak'r, Carpenter .	Washington St. Engine-Station.
EMPLOYEES. R. S. Cummings C. L. Berry	17 18	Engineer Driver	Permanent. Permanent.	Engine-Station. Engine-Station.

	DATE.	APPOINTMENTS.	POSITION.
May	1, 1883.	W. H. Nicholl.	Hoseman.
Aug.	1, 1883.	C. M. Kebbe.	Hoseman.
Nov.	1, 1883.	J. W. Crosby.	Hoseman.
Dec.	1, 1883.	A. F. A. G. Libbey.	Hoseman.
		HONORABLE DISCHAR	GE.
May	1, 1883.	J. W. Crosby.	
Aug.	1, 1883.	C. J. Crowley.	
Nov.	1, 1883.	C. V. Knowles.	
Dec.	1, 1883.	F. T. Burgess.	

No. 3 ENGINE.

Second-class, double, crane-neck. Amoskeag. Placed in service 1875. STATION.—WILLOW, BETWEEN CENTRE AND SUMMER STREETS.

MEMBERS.	BADGE.	Position.	Occupation.	RESIDENCE.
G. F. Richardson S. F. Chadbourne D. McDonald C. B. Geary W. Bliss T. R. Frost C. Polly A. I. English C. Thompson A. W. Thompson C. A. Peck	37 41 33 42 39 40 44 35 36 46 45	Foreman, at call, Assistant, "Hoseman, "Hoseman, "Hoseman, "Hoseman, "Hoseman, "Hoseman, "Hoseman, "Stoker, "Hoseman, "Hoseman	Merchant . Carpenter . Carpenter . Painter . Merchant . Carpenter . Carpenter . Carpenter . Carpenter . Carpenter . Carpenter . Painter .	Centre Street. Willow Street. Centre Street. Lyman Street. Station Street. Pleasant Street. Engine-Station. Centre Street. Engine-Station. Lyman Street. Engine-Station.
A. D. Colby A. C. Jewett	32 43	Engineer Driver	Permanent.	Engine-Station. Engine-Station.

DATE.	APPOINTMENTS.	POSITION.

March 1, 1883. A. W. Thompson. Hoseman.

March 1, 1883. C. A. Peck. Promoted to stoker.

 Sept.
 1, 1883.
 A. I. English.
 Hoseman.

 Sept.
 15, 1883.
 C. Thompson.
 Hoseman.

HONORABLE DISCHARGE.

Aug. 31, 1883.A. J. Roach.Sept. 15, 1883.E. W. Frost.

No. 1 TRUCK.

First-class, skeleton. Built by Buckley & Merritt, Brooklyn, N.Y. Placed in service September, 1879.

STATION. - WASHINGTON, OPPOSITE WALKER STREET.

MEMBERS.	BADGE.	Position.	OCCUPATION.	Residence.
W. S. Higgins F. B. Sisson J. H. Williams O. Dow T. C. Nickerson H. J. Williams J. Beals C. Coleman U. H. Dyer J. Watts M. McLeod J. F. Horrigan EMPLOYEE C. Murphy	60 66 87 68 63 64 61 65 69	Foreman, at call, Assistant, Truckman,		At Station. Washington St. Allston Street. Lowell Street.

	DATE.	APPOINTMENTS.	POSITION.
May	1, 1883.	J. F. Horrigan.	Transferred from No. 4 Hose.
Aug.	1, 1883.	J. Murphy.	Truckman.
Sept.	1, 1883.	J. Watts.	Truckman.
Nov.	1, 1883.	M. McLeod.	Truckman.

HONORABLE DISCHARGE.

 Aug.
 1, 1883.
 J. Watts.

 Sept.
 1, 1883.
 J. H. Gilman.

 Nov.
 1, 1883.
 J. Murphy.

No. 4 HOSE.

Four-wheel, crane-neck. Built by Abbott Downing Co. Placed in service September, 1882.

STATION. - WASHINGTON, OPPOSITE WALKER STREET.

MEMBERS.	BADGE.	Position.	OCCUPATION.	RESIDENCE.		
E. C. Waterhouse . E. P. Besse J. Deery A. J. Wandless . D. Archibald	49 47	Foreman, at call, Assistant, " Hoseman, " Hoseman, " Hoseman, "	Carpenter . Carpenter . Carpenter . Carpenter . Shoemaker .	Allston Street.		
J. E. Watson	48	Driver	Permanent.	At Station.		

	DATE.		APPOINTMENTS.	POSITION.
May	1, 1883.	J. E.	Watson.	Promoted to driver.
Aug.	1, 1883.	E. P.	Besse.	Promoted to Ass't Foreman.
Aug.	1, 1883.	A. J.	Wandless.	Hoseman.

RESIGNED.

Aug. 1, 1883. J. Fontaine.

No. 5 HOSE.

Four-wheel, crane-neck. Built by Hunneman & Co. Placed in service 1874.

STATION.—AUBURN, ABOVE MELROSE STREET.

MEMBERS.	BADGE.	Position.	Occupation.	Residence.
W. F. Soule J. F. Washburn . J. M. Taylor J. Frost L. H. Spaulding .		Foreman, at call, Assistant, "Hoseman, "Hosema	Painter R.R. Emp	At Station. Auburn Street.

	DATE.	APPOINTMENTS.	POSITION.
Aug.	1, 1883.	J. M. Taylor.	Hoseman.
	1, 1883.	L. H. Spaulding.	Hoseman.
		RESIGNED.	
Sept.	1, 1883.	C. H. Drake.	

No. 6 HOSE.

Four-wheel, crane-neck. Built by Hunneman & Co. 1877; rebuilt by Abbott Downing Co. 1883.

STATION. - WASHINGTON, ABOVE WALES STREET.

Members.	BADGE.	Position.	Occupation.	Residence.
B. Early H. H. Miles D. J. Corcoran . P. O'Neil D. J. Cooney . G. T. Clatworthy .	77 76 79	Foreman, at call, Assistant, " Hoseman, " Hoseman, " Hoseman, " Hoseman, "		Grove Street. At Station. At Station. At Station.

	DATE.	APPOINTMENTS.	POSITION.
Feb.	1, 1883.	H. H. Miles.	Hoseman.
Feb.	1, 1883.	P. O'Neil.	Hoseman.
April	1, 1883.	D. J. Cooney.	Hoseman.
Aug.	1, 1883.	G. T. Clatworthy.	Hoseman.
Aug.	1, 1883.	H. H. Miles.	Promoted Assist. Foreman.
		HONORABLE DISCHA	RGE.
Feb.	1, 1883.	W. B. Kenny.	
Feb.	1, 1883.	B. C. Fisher.	
Feb.	1, 1883.	F. H. Smith.	
Aug.	1, 1883.	C. S. Morse.	

No. 7 HOSE.

Four-wheel, crane-neck. Built by Hunneman & Co. Placed in service 1879. STATION.—PETTEE STREET, REAR PROSPECT SCHOOL.

MEMBERS.	BADGE.	Position.	OCCUPATION.	RESIDENCE.	
W.S. Cargill H. A. Smith J. E. Trowbridge . J. T. Thomason . A. E. Easterbrook . A. M. Fuller	82 84 81 80 86 83	Foreman, at call, Assistant, "Hoseman, "Hosema	Carpenter . Carpenter . Merchant . Merchant . Machinist . Coachman .	High Street. Rockland Place. High Street. Chestnut Street. At Station. Cottage Hill.	

STATEMENT OF DUTY PERFORMED BY EACH COMPANY FOR THE YEAR ENDING DEC. 31, 1883.

Apparatus.					LADDERS IN SERVICE.	Hose in Service.	MILES TRAVELLED.	LENGTH OF SERVICE.	
						Feet.	Feet.		Hours.
No. 1 Truck						495	_	197	64
No. 1 Engine						_	3,900	43	24.25
No. 2 Engine						-	5,350	64	47.15
No. 3 Engine						-	7,050	83	50.25
No. 4 Hose .						-	2,200	110	32.35
No. 5 Hose .						-	2,400	25	14
No. 6 Hose .						-	1,400	35	16
No. 7 Hose .	٠	٠	•	٠	٠	-	1,700	93	28
Grand Total						495	24,000	650	. 276

NUMBER OF ALARMS ATTENDED.

	Bell.	SPECIAL.	VERBAL AND TELEPHONE.	TOTAL.
Chief of Department Assistant Chief	59 24 61 19 26 31 35 13 12	2 - 2	12 7 2 2 6 7 2 5 4	73 31 63 23 32 38 37 18 17

FIRE-ALARM TELEGRAPH.

CITY BUILDING, WILLOW STREET.

NAME.	BADGE.	Position.	Residence.	
G. W. Ulmer	1	Operator	Maple Avenue.	

LOCATION OF TOWER-BELLS.

Location.	STREET.	WEIGHT.
Methodist Church City Hall Congregational Church . Crehore Paper-Mills Methodist Church	Centre and Church Streets Walnut, bet. Newtonville Ave. and Bowers Street	3,250 "8-inch whistle.

LOCATION AND SIZE OF GONGS.

No. 1 Engir	ne-Station						15-i	nch.
No. 2 "	6.6						15	6.6
No. 3 "	6.6						15	6.6
No. 1 Truck	k-Station	•					16	6.6
No. 5 Hose-	-Station	•					8	6.6
No. 6 "	6.6					•	15	6.6
No. 7 "	4.6						16	6.6
Residence of	of Chief of	Depar	tment				8	6.6
Residence of	of Assistant	Chie	f.				8	6.6
Residence of	of Fire-Alan	rm Op	erator	٠			8	66
Water-Wor	ks Pumpin	g-Stai	tion				8	66
Residence of	of Otis Pett	ee (pi	rivate)				8	6.6
Factory, M							16	66

LOCATION OF SIGNAL-STATIONS.

STATIONS.

- 4. Auburn and Lexington Streets (Auburndale).
- 5. No. 6 Hose-Station (Lower Falls).
- 6. No. 7 Hose-Station (Upper Falls).
- 7. Station Street and Glen Avenue (Newton Centre).
- 8. Beacon and Hammond Streets (Chestnut Hill).
- 9. Brookline and Dedham Streets (Oak Hill).
- 12. Park and Church Streets (Newton).
- 13. Sargent and Centre Streets (Newton).
- 14. Washington and Jewett Streets (Newton).
- 15. No. 1 Engine-Station (Newton).
- 16. Church and Centre Streets (Newton).
- 17. School and Pearl Streets (Newton).
- 18. Newtonville Avenue and Howard Street (Newton).
- 112. Washington and Hunnewell Park.
- 21. No. 1 Truck-Station (Newtonville).
- 23. Washington and Walnut Streets (Newtonville).
- 24. Chapel and Watertown Streets (North Village).
- 25. Crafts and Watertown Streets (North Village).
- 26. Walnut Street, opposite High School (Newtonville).
- 27. Highlaud Avenue and Allston Street (Newtonville).
- 28. Walnut and California Streets (Newtonville).
- 31. Waltham and Washington Streets (West Newton).
- 32. River and Pine Streets (West Newton).
- 34. Waltham and Derby Streets (West Newton).
- 35. No. 2 Engine-Station (West Newton).
- 36. Fuller and Washington Streets (West Newton).
- 37. Otis and Fountain Streets (West Newton).
- 312. Police Headquarters, City Hall (West Newton).

STATIONS.

- 41. Auburn and Charles Streets (Riverside).
- 42. Woodland Avenue and Grove Street (Auburndale).
- 43. Ash and Islington Streets (Auburndale).
- 51. Washington and Concord Streets (Lower Falls).
- 52. City Almshouse.
- 53. Grove Street and Pine-Grove Avenue.
- 61. Chestnut and Winter Streets (Upper Falls).
- 62. Chestnut and Oak Streets (Upper Falls).
- 63. Mechanic and Elliott Streets (Upper Falls).
- 64. Walnut Street, rear Circuit Railway Depot (Highlands).
- 65. Cook and Boylston Streets (Highlands).
- 612. Otis Pettee & Co.'s Machine-Shops (private), (Upper Falls).
 - 71. Walnut Street and Cemetery Gate.
- 72. Crain & Co.'s Machine-Shop (private), (Highlands).
- 73. No. 3 Engine-Station (Newton Centre).
- 74. Beacon Street and Laurel Avenue (Newton Centre).
- 75. Cypress and Paul Streets (Newton Centre).
- 81. Ward Street and Waverly Avenue (Newton Centre).
- 82. Kenrick Street and Waverly Avenue (Newton).
- 91. Clark and Parker Streets (Oak Hill).

INSTRUCTIONS.

Cautions to Persons holding Signal-Box Keys.

Never open a box, or touch the apparatus, except in case of fire.

Never sound the alarm for a fire seen at a distance, unless assistance is called for.

Be reasonably sure there is a fire before sounding the alarm.

Be sure your box is locked before leaving it.

Never let the key go out of your possession, except to some responsible person to give an alarm of fire, and be sure the key is returned.

If you remove from your house or place of business, return the key to the Chief of Fire Department, City Hall.

Directions in Case of Fire.

Get the key to the nearest box to the fire. Open the box; pull the hook all the way down once, and let go. If you hear no sound from the bells, or tapper in the box, pull again. If you fail the second time, go to the next nearest box, and do the same; but do not touch any other box if the nearest one gives the alarm.

Remain at the box, if possible, after giving an alarm, to direct the firemen to the fire.

No person will give alarms for the same fire, after the first alarm has been given, without an order from the Chief or Assistant Engineer.

Citizens are earnestly requested to keep themselves informed as to the

location of keys to signal-boxes. Signs over each box will give the desired information.

School Signals.

1-111 (thirteen) once. — Morning session, 8.15 A.M; afternoon session, 1.15 P.M.

Signals.

- 1. Blow for test at 11.45 A.M. and 5.45 P.M. (Sundays, 12.15 P.M.).
- 1-1. Two blows will be given when the companies in service at fires have "made up."

Should an alarm occur from another box before the signal is struck, companies answering second will immediately answer on first, companies answering third will answer second.

- 1-1-1 (three blows). General alarm, and calls entire Fire Department.
- 14 blows followed by the box number will assemble the police in case of emergency.
- 11-11 (twenty-two). Signal of No. 1 Engine when called out of city; same on return.
- 1-1-1 (three blows). Signal of No. 2 Engine when called out of city; same on return.
- 111-111 (thirty-three). Signal of No. 3 Engine when called out of city; same on return.

H. L. BIXBY,

Chief Fire Department, (Room 3, City Hall).

Office-hours 2 to 5 P.M. MAY, 1883.

STATEMENT OF DETAILS OF FIRES AND ALARMS FOR THE YEAR ENDING DEC. 31, 1883.

Jan. 6, Box 15, 9.50 A.M. Washington Street and Hunnewell Park.

Two-story frame 25 × 40 dwelling. Owned and occupied by Henry Tolman, jun. Loss on building and contents. \$175. Insurance paid, \$175. Cause of fire, improper construction of open grate. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, forty-five minutes.

Feb. 19, Box 5, 8.15 P.M. Wellesley Hills.

Cause, call for assistance. Apparatus detailed: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Feb. 22, Box 71. Walnut Street and Cemetery Gate.

Cause, inspection-test by his Honor the Mayor and Fire Committee. Apparatus present: Nos. 2 and 3 Engines, Nos. 4 and 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department.

March 2, Box 61, 3.52 P.M. Boylston and High Streets.

Three-story frame 30 × 40 dwelling. Owned and occupied by John Richardson. No damage. Cause, children playing with matches. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, twenty minutes.

March 12, "Special 22," 9.40 P.M. Boston (Brighton District).

Cause, call for assistance. Apparatus detailed: No. 1 Engine. Chief of Department. Service, two hours.

April 4, Box 71, 9.30 A.M. Cold Spring City.

Story and a half 12×20 dwelling. Owned by Mathew Connors, occupied by Moses Bright. No damage. Cause, smoking in bed. Apparatus present: No. 3 Engine, Nos. 4 and 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department.

April 4, Box 73. Pleasant Street.

One-story frame 10×12 ice-house. Owned by C. S. Davis. Loss on building and contents, \$250. No insurance. Cause of fire, ignition from burning grass-land. Apparatus present: No. 3









Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour.

April 9, 2.30 P.M. Washington Street.

Grass-land. Cause, set by children. Extinguished by permanent employees of No. 2 Engine. Service, fifteen minutes.

April 9, Still, 8.30 P.M. Mill Street.

Woods. Cause unknown. Apparatus present: detail from No. 3 Engine. Assistant Chief of Department. Service, thirty minutes.

April 10, 10 A.M. Washington Park.

Grass-fire. Cause, getting beyond control. Extinguished by Driver Murphy, No. 1 Truck.

April 11, 5.30 P.M. Lander Street.

Grass. Cause, carelessness. Extinguished by permanent employees of No. 2 Engine.

April 16, Box 65, 11.43 A.M. Elliott and Boylston Streets.

Grass-land. Cause, getting beyond control. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour.

April 17, 11.30 A.M. Grove Street.

Grass-land. Cause, sparks from stationary engine. Apparatus present: No. 6 Hose. Capt. Early. Service, one hour.

April 17, 1 P.M. Grove Street.

Rekindling of above. Apparatus present: No. 6 Hose. Capt. Early. Service, thirty minutes.

April 18, 12.30 P.M. Sargent Street.

Grass-land. Cause, getting beyond control. Apparatus present: No. 1 Engine. Chief of Department. Service, thirty-five minutes.

April 21, Box 64, 8.30 P.M. Walnut and Beacon Streets.

Woodland. Cause, getting beyond control. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department.

April 26, Box 6, 11.46 A.M. Boylston Street.

Woods. Cause, getting beyond control. Apparatus present:

No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, thirty minutes.

April 27, Box 64, 12.36 P.M. Forest Street.

Woodland. Cause, maliciously set. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief of Department. Service, one hour.

April 29, Box 17, 1.05 P.M. Pearl Street.

Two-story frame 18 × 30 dwelling. Owned by J. Dougherty, occupied by John Flood. Damage, \$150. Cause of fire, children playing with matches. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour.

April 30, Box 26, 1 P.M. Cabot Street.

Woodland. Cause, getting beyond control. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour.

April 30, Box 7, 1.35 P.M. Dudley Street.

Woodland. Cause, getting beyond control. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, two hours.

May 1, Box 42, 1 P.M. Vista Avenue.

Woodland. Cause, getting beyond control. Apparatus present: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, one hour.

May 6, 9 P.M. Waltham Street.

Two-story frame 20×30 blacksmith's shop. Owned and occupied by P. Kegan. Loss, \$15. Cause, fire from forge. Extinguished by officer Holmes and Chief of Department.

May 9, 12 M. Park and Church Streets.

Two and a half story 30×50 dwelling. Owned and occupied by John Stetson. Cause, chimney-fire. Loss, \$25. Apparatus present: No. 1 Engine. Capt. Graves. Service, one hour.

May 10, 10 P.M. Walnut and Hull Streets.

Woodland. Cause, neglected bonfire. Apparatus present: No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour.

May 13, Box 52, 3.10 P.M. Chestnut Street.

Woodland. Cause, maliciously set. Apparatus present: No. 3 Engine, Nos. 6 and 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department.

May 14, 2.30 P.M. Chestnut and Valentine Streets.

Woodland. Cause, maliciously set. Apparatus present: No. 2 Engine. Chief of Department. Service, two hours.

May 14, Box 9, 3.40 P.M. Brookline and Dedham Streets.

Rubbish on premises W. S. Appleton. No damage. Apparatus present: No. 3 Engine, No. 7 Hose. Chief and Assistant Chief of Department. Service, one hour and thirty minutes.

May 14, 7.24 P.M. Chestnut Street.

Woodland. Cause, set by children. Extinguished by Assistant Foreman Smith, No. 7 Hose.

May 15, 5.35 P.M. Rogers Street.

Railway-sleepers. Cause, locomotive-sparks. Loss, \$50. Extinguished by Smith and Easterbrook, No. 7 Hose. Service, two hours.

May 19, 1 P.M. Winchester Street.

Story and a half frame 28 × 40 stable. Owned by H. F. Wetherill. Unoccupied. Cause, sparks from burning woodland. No alarm, owing to distance from fire and water limits. Loss, \$300.

May 19, 2 P.M. Homer and Morton Streets.

Woodland. Cause, maliciously set. Apparatus present: No. 3 Engine. Assistant Chief of Department. Service, one hour and forty minutes.

May 19, Box 9, 3 P.M. Brookline Street.

Woodland. Neglected brush-fires. Apparatus present: No. 3 Engine, No. 7 Hose. Chief and Assistant Chief of Department. Service, one hour and thirty minutes.

May 26, Box 72, 7.55 P.M. Rogers Street.

Railway-sleepers. Cause, locomotive-sparks. Loss, \$15. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief of Department. Service, one hour.

May 28, Box 4, 3.17 P.M. Freeman Street.

One-story frame 30 × 40 stable and greenhouse. Owned and occupied by W. Neilson. Loss, \$1,100. Cause, children playing with matches. Apparatus present: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, two hours.

May 28, Box 17, 9.05 P.M. Pearl Street.

Two-story frame 14 × 28 dwelling. Owned by John Joice. Unoccupied. No damage. Cause, incendiary. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, fifteen minutes.

June 21, Box 73, 9.15 P.M. Station and Chase Streets.

One and a half story frame 20 × 30 stable. Owned and occupied by Warren Ellis. Loss, \$10. Cause, incendiary. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, forty-five minutes.

June 26, Box 4, 3.35 P.M. Auburn Street.

Grass and fences. Cause, locomotive-sparks. Apparatus present: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, fifteen minutes.

July 3, Box 28, 10.53 P.M. Fewkes Court.

One-story frame 25 × 30 knitting-factory. Owned by Francis Murdock, occupied by Daniel Sears. Loss, \$600. Cause, incendiary. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour and thirty minutes.

July 4, Box 17, 9.13 A.M. Waban Street.

Two and a half story frame 28 × 40 dwelling. Owned by J. R. Farnham, occupied by Mrs. Benjamin Turner and others. Loss, \$175. Cause, fireworks. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour.

July 11, Box 17, 1.55 P.M. School Street.

One-story frame 20 × 30 blacksmith's shop. Owned by ——Harrigan; occupant, P. W. Gilligan. No damage. Cause, careless smoker. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Assistant Chief of Department. Service, thirty minutes.

July 23, Box 25, 1.30 P.M. Crafts Street.

Two and a half story frame 25×50 dwelling. Owned by A. C. Taylor; occupant, C. H. Johnson. Loss, \$25. Cause, children playing with matches. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department. Service, thirty minutes.

July 26, 11.15 P.M. Chestnut Street.

Railway-sleepers. Cause, locomotive-sparks. Loss, \$15. Apparatus present: No. 7 Hose. Foreman Cargill. Service, one hour.

Aug. 3, Box 21, 12.55 A.M. Murray Street.

Two-story frame 20 × 30 dwelling. Owned and occupied by Daniel Sullivan. Loss, \$1,000. Building total loss; out of water-limits. Cause, incendiary. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Aug. 5, Box 65, 2.20 A.M. Brookline.

Aug. 5, Box 73, 2.25 A.M. Brookline.

Unnecessary alarms given by police for fire out of city.

Aug. 13, Box 34, 7.18 P.M. Waltham Street.

Two-story frame 40×80 stable. Owned and occupied by L. A. Hall. Loss, \$1,783.50. Cause, struck by lightning. Apparatus present: No. 2 Engine, Nos. 4 and 5 Hose, No. 1 Truck, afterwards relieved by details from Nos. 1 and 3 Engines. Officers in charge, Chief and Assistant Chief of Department. Service, fifteen hours.

Aug. 17, 8.15 P.M. Maple Place.

Peat-meadow. Cause, set by children. Apparatus present: detail from No. 2 Engine. Chief of Department. Service, one hour.

Aug. 19, Box 52, 9 A.M. Homer Street.

Two-story frame 12 × 25 stable. Owned and occupied by John McCarty. Cause, smoking in building. Loss, \$200. Building totally destroyed; out of water-limits. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour.

Aug. 22, Box 51. Wellesley Hills.

Cause, call for assistance. Apparatus detailed: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, one hour and thirty minutes.

Aug. 26, 1 P.M. Homer Street.

Grass. Cause, set by children. Apparatus present: No. 3 Hose. Chief and Assistant Chief of Department. Service, one hour.

Aug. 26, Box 9, 4.15 P.M. Brookline and Dedham Streets.

Old rubbish. No damage. Cause, incendiary. Apparatus present: No. 3 Engine, No. 7 Hose. Chief and Assistant Chief of Department. Service, one hour and thirty minutes.

Aug. 28, 12 M. River and Cherry Streets.

Grass and fences. Cause, set by children. Apparatus present: No. 2 Hose. Chief of Department.

Aug. 29, Box 52, 4.20 P.M. Beacon and Washington Streets.

Woodland. Cause, set by children. Apparatus present: No. 3 Engine, Nos. 6 and 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, thirty minutes.

Aug. 31, Box 71, 12.55 P.M. Cold-Spring City.

Two buildings; one-story frames, 10×20 , 15×30 , stables. Owned by Mary McVeley. Loss, \$75. Cause, children playing with matches. Apparatus present: No. 3 Engine, Nos. 4 and 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour and thirty minutes.

Aug. 31, 10 P.M. Glen Avenue.

Woodland. Cause, locomotive-sparks. Apparatus present: No. 3 Hose. Assistant Chief of Department. Service, seven hours.

Sept. 1, 1.40 P.M. Auburndale Avenue.

Woodland. Cause, set by children. Apparatus present: No. 5 Hose. Capt. Soule. Service, one hour.

Sept. 2, 12.40 P.M. Grove Street.

Woodland. Cause, sparks from steam-shovel. Apparatus present No. 6 Hose. Capt. Early. Service, two hours.

Sept. 2, Box 7, 3.40 P.M. Glen Avenue.

Woodland. Cause, rekindling previous fire. Apparatus present, No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour.

Sept. 2, 8 P.M. Chestnut Hill.

Woods. Cause, rekindling. Apparatus present: No. 3 Hose. Chief of Department. Service, one hour.

Sept. 3, Box 81, 3 A.M.

Two-story frame 20 × 30 dwelling. Owned by Silas Stevens, unoccupied. Loss, \$500. Cause, incendiary. Apparatus present: Nos. 1 and 3 Engines, No. 4 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, three hours.

Sept. 3, 1 P.M. Auburndale Avenue.

Woodland. Cause, set by children. Apparatus present: No. 5 Hose. Chief of Department. Service, one hour.

Sept. 3, 230 P.M. Washington Place.

Grass and fences. Cause, locomotive-sparks. Apparatus present: No. 4 Hose. Chief of Department. Service, forty-five minutes.

Sept. 6, Box 8, 1.40 P.M. Beacon Street.

Woods. Cause, locomotive-sparks. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour.

Sept. 6, Box 9, 2.25 P.M. Dedham Street.

Woodland. Cause, careless burning of refuse. Apparatus present: Nos. 1 and 3 Engines, No. 7 Hose. Chief and Assistant Chief of Department. Service, one hour and thirty minutes.

Sept. 6, Box 73, 4.37 P.M. Beacon Street.

Woods. Cause, rekindling of previous fire. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, thirty minutes.

Sept. 6, Box 73, 11.01 P.M. Beacon Street.

Woods. Cause, rekindling of previous fire. Alarm unnecessary. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, thirty minutes.

Sept. 8, Box 42, 1.59 P.M. Woodland Avenue.

Woods. Cause, set by children. Apparatus present: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, thirty minutes.

Sept. 8, 3 P.M. Auburndale Avenue.

Woods. Cause, set by children. Apparatus present: No. 5 Hose. Capt. Soule. Service, thirty minutes.

Sept. 8, 3.40 P.M. Greenough Street.

Woods. Cause, rekindling of previous fire. Apparatus present: No. 5 Hose. Capt. Soule. Service, thirty minutes.

Sept. 9, 7.10 P.M. Elgin Street.

Woods. Cause, rekindling of previous fire. Apparatus present: No. 3 Hose. Assistant Chief of Department. Service, one hour.

Sept. 9, 10 P.M. Washington and Fuller Streets.

Woods. Cause, rekindling of previous fire. Extinguished by private Riley and Chief of Department.

Sept. 11, Box 7, 1.46 P.M. Station Street and Glen Avenue.

Woods. Cause, rekindling of previous fire. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Sept. 11, Box 7, 3.46 P.M. Station Street and Glen Avenue.

Woods. Cause, rekindling of previous fire. Alarm unnecessary. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Sept. 12, Box 7, 6.33 P.M. Glen Avenue.

One-story frame 8 × 10 shop. Owned and occupied by A. M. Gooch. Loss, \$50. Cause, locomotive-sparks. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Sept. 15, Box 4, 4.10 P.M. Auburn Street.

Two and a half story frame 25×50 dwelling. Owned and occupied by B. J. Parker. No damage. Cause of alarm, escaping smoke from unfinished flue. Apparatus present: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, fifteen minutes.

Sept. 15, 10 P.M. Walnut Street.

Woods. Cause, maliciously set. Extinguished by private Fuller, No. 7 Hose. Service, one hour.

Sept. 19, Box 32, 12.35 P.M. River and Cherry Streets.

Grass and fences. Cause, set by children. Apparatus present: No. 2 Engine, Nos. 4 and 5 Hose, No. 1 Truck. Chief of Department.

Sept. 20, Box 24, 7.45 A.M. Dalby Street.

Two-story frame 14 × 28 dwelling. Owned by John T. Moore, occupied by William Huldsworth. Loss, \$105. Cause, children playing with matches. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department. Service, one hour and thirty minutes.

Sept. 20, Box 71, 12.13 P.M. Walnut Street.

Grass and fences. Cause, careless burning of undergrowth. Apparatus present: No. 3 Engine, Nos. 4 and 7 Hose, No. 1 Truck. Chief of Department. Service, thirty minutes.

Sept. 20, 3.30 P.M. Grove Street.

Grass-land. Cause, sparks from stationary engine. Apparatus present: No. 6 Hose. Service, one hour.

Sept. 23, Box 91, 3.17 P.M. Parker Street.

Grass-land. Cause, sparks from brush-fire. Apparatus present: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Sept. 27, Box 32, 3.30 P.M. Rowe Street and Auburndale Avenue.

Woods. Cause, set by children. Apparatus present: No. 2 Engine, Nos. 4 and 5 Hose, No. 1 Truck. Chief of Department.

Sept. 28, Box 35, 8.35 P.M. Prospect Street (Extension).

One-story frame 10×15 stable. Owned and occupied by Samuel Rossa. Loss, \$25. Cause, incendiary. Apparatus present: No. 2 Engine, Nos. 4, 5, and 6 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Oct. 8, Box 25, 11.45 A.M. Crafts Street.

Grass. Cause, set by children. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department.

" TIMEO!

Oct. 10, Box 25, 1 P.M. Crafts Street.

Grass, etc. Cause, rekindling of previous fire. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Assistant Chief of Department.

Oct. 10, 9 P.M. Auburndale Avenue.

Woods. Cause, careless burning of brush. Apparatus present: No. 5 Hose. Chief of Department.

Oct. 12, Box 32, 10 P.M. Auburndale Avenue.

Burning brush. Alarm unnecessary. Apparatus present: No. 2 Engine, Nos. 4 and 5 Hose, No. 1 Truck. Chief of Department. Service, thirty minutes.

Oct. 14, Box 75, 3.30 A.M. Needham.

Fire out of city limits. Alarm unnecessary. Apparatus called out: No. 3 Engine, No. 7 Hose, No. 1 Truck. Chief and Assistant Chief of Department. Service, one hour.

Oct. 22, 11.30 A.M. Elmwood Street.

Burning chimney. Extinguished by permanent employees and Foreman Graves. Service, one hour.

Nov. 1, Box 32, 9.27 P.M. River Street.

One-story frame 8×10 shed. Owned by the Second Congregational Church. Loss, \$10. Cause, incendiary. Apparatus present: No. 2 Engine, Nos. 4 and 5 Hose, No. 1 Truck. Chief of Department. Service, thirty minutes.

Nov. 6, 7.17 P.M. Walnut Street.

Woods. Cause unknown. Apparatus present: No. 3 Hose. Capt. Richardson. Service, one hour.

Nov. 15, Box 15, 5.40 P.M. Centre Street and Railway.

Three-story brick 50×100 stores. Owned by A. Howes; occupant damaged, Boynton & Marsh. Loss, \$33.10. Cause, open gas-jet. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, fifteen minutes.

Nov. 20, Box 37, 5.45 P.M. Highland Street.

Woods. Cause, careless burning of brush. Apparatus present: No. 2 Engine, Nos. 4 and 5 Hose, No. 1 Truck. Chief of Department. Service, one hour.

Dec. 5, Box 16, 9.16 P.M. Centre and Bennington Streets.

Three-story frame 30 × 50 dwelling. Owned by C. B. Prescott, occupied by Mrs. Hayes. Loss, \$50. Cause, overheated hot-air pipe. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, forty-five minutes.

Dec. 6, Box 23, 7.39 P.M. Central Avenue.

Two and a half story frame 25 × 50 dwelling. Owned by Mrs. Hayes, unoccupied. Cause, reflection from open fire. No damage. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department. Service, thirty minutes.

Dec. 14, Box 36, 5.30 P.M. Washington Street and Woodland Avenue.

Three-story frame 50×50 hotel. Owned by Joseph Lee. Loss, \$25. Cause, rats and matches.

Dec. 19, Box 24, 11.20 A.M. Chapel Street.

Two-story brick 30 × 40 office. Owned by Nonantum Worsted Co. Cause, gas-explosion. Apparatus present: Nos. 1 and 2 Engines, No. 4 Hose, No. 1 Truck. Chief of Department.

Dec. 22, Special "22." Boston (Brighton District).

Cause, call for assistance. Apparatus detailed: No. 1 Engine. Chief of Department. Service, four hours.

Dec. 23, Box 15, 8.50 P.M. Eldredge and Vernon Streets.

Unnecessary call for smoke from chimney. Apparatus present: No. 1 Engine, No. 4 Hose, No. 1 Truck. Chief of Department. Service, fifteen minutes.

LIST OF HYDRANTS AND LOCATIONS.

LOCATED IN WARD ONE.

Bellevue, 500 ft. east of Howard St. Bellevue St. and Newtonville Ave. Bellevue and Centre Streets. Bellevue, 495 ft. west of Centre St. Bellevue and Maple Streets. Bennington and Centre Streets. Bennington, 600 ft. west of Centre Street.

Boyd Street and Emerson Place. Boyd and Jewett Streets. Boyd, 400 feet east of Fayette St. California, 1,200 ft. east of Chapel

California, 600 feet E. of Chapel St. Centre and Converse Streets. Centre and Mt. Ida Streets. Chaffin, 400 ft. west of Centre St. Channing and Washington Streets. Chapel and California Streets. Chapel Street, 200 feet north of

Dugdale Mills. Chapel Street and Dugdale Mills. Chapel and Watertown Streets. Chapel, 500 ft. S. of Watertown St. Church St., opp. Whipple's Mills. Church, 500 ft. west of Centre St. Converse, 1,000 ft. W. of Centre St. Cook, 500 ft. S. of Watertown Street. Dalby and Watertown Streets. Fairmount Ave., west of Centre St. Favette and Gardner Streets. Fayette and Boyd Streets.

Green and Pearl Streets. Green and Chapel Streets. Hovey and Washington Streets. Jewett and Waban Streets. Jewett and Washington Streets. Newtonville Avenue, 100 feet west of Mt. Ida Street. Newtonville Ave. and Oakland St.

Newtonville Avenue, 130 feet east of Howard Street. Newtonville Avenue, between Oak-

land and Howard Streets. Peabody and Washington Streets. Pearl, bet. Gardner and Jewett Sts. Pearl and Gardner Streets.

Pearl and Bacon Streets.

Pearl and Jewett Streets.

Pearl, 400 feet S. of Watertown St. Pearl and Waban Streets.

Richardson and Church Streets Richardson, 450 feet west of Centre Street.

School and Washington Streets.

Waban Park.

Walnut Park.

Washington Street, 400 feet west of Walnut Park.

Washington and Bacon Streets. Watertown and Pearl Streets. Wesley, 300 feet west of Centre St.

West and Middle Streets.

West, 500 feet S. of Watertown St

LOCATED IN WARD TWO.

Adams, 400 ft. north of Clinton St. Bowers, 675 ft. east of Walnut St.

Adams, 120 ft. north of Washington | Adams and Watertown Streets. Beach and Washington Streets.

Bridge and Chandler Streets. Bridge, 495 ft. north of Chandler St. Bridge and California Streets. Brooks Ave. and Washington St. Brooks Place, 600 feet north of Washington Street.

Brookside Avenue, 500 feet north of Washington Street.

Cabot, 754 feet east of Walnut St. California, 700 ft. E. of Crafts St. Central Ave. and Washington St. Central Avenue and Turner Street. Central Avenue and Prescott Street. Clinton, 500 ft. west of Adams St. ourt and Beach Streets. Crafts and Linwood Streets.

Crafts and California Streets.

Cross and Washington Streets.

Forest Ave., 500 ft. south of Otis St. Green and Chapel Streets.

Harvard St. and Washington Park. Highland Ave. and Walnut Street. Highland Avenue, 470 feet west of Walnut Street.

Highland Avenue and Allston St. Lowell and Walnut Streets. Lowell and Edinboro' Streets. Lowell and Washington Streets. Mt. Vernon and Allston Streets. Nevada and Watertown Streets. Nevada St, opp. Silver Lake Mills. Nevada, 600 ft. north of Watertown Street.

Newtonville Ave. and Harvard St.

Newtonville Avenue, 530 feet east of Walnut Street.

Newtonville Ave. and Walnut St. Nonantum Worsted Co., Chapel Street (private).

Otis, 500 ft. west of Murray Street. Otis and Walnut Streets.

Otis, bet. Walnut and Murray Sts.

Otis Street and Forest Avenue.

Otis and Murray Streets.

Parsons and Washington Streets.

Silver Lake Manufacturing Co., Nevada Street (private).

Walker and Washington Streets.

Walker, 475 feet north of Washington Street.

Walnut St., opposite High School.

Walnut, 300 feet north of Hull St. Walnut and Washington Streets.

Walnut, 540 feet north of Washington Street.

Walnut, 330 ft. south of Crafts St. Walnut and Mill Streets.

Washington, 500 ft. west of Walnut Street.

Washington and Harvard Streets.

Washington and Crafts Streets.

Washington Park, 300 feet west of Walnut Street.

Washington Place, 400 feet west of Walnut Street.

Watertown, 310 feet west of Walnut Street.

Watertown and Crafts Streets.

LOCATED IN WARD THREE.

Alpine Street, 800 feet east of Hillside Avenue.

Auburn and Washington Streets. Auburn and Crescent Streets. Cherry and Washington Streets. Chestnut, 300 ft. north of Otis St. Chestnut and Washington Streets. Crescent Avenue, 400 feet north of Auburn Street.

Davis, 100 ft. west of Chestnut St.

Derby and Cherry Streets.

Derby, 475 feet west of Cherry St.

Eden, 300 ft. N. of Watertown St.

Elm and Washington Streets.

Fountain and Highland Streets.

Henshaw, 500 ft. north of River St. Highland, 300 feet east of Fountain

Street.

Highland and Chestnut Streets.

Highland, opposite Hunter Street.

Highland and Washington Streets. Hillside Avenue and Chestnut St. Junction Washington, Watertown, and Chestnut Streets (four way). Lander and Shaw Streets.

Margin, opposite Putnam Street. Mt. Vernon, 500 ft. east of Hillside Avenue.

Mt. Vernon Street and Hillside Ave. Mt. Vernon St. and Greenwood Ave. Oak Avenue, 500 ft. north of Webster Street.

Otis Street and Hillside Avenue. Otis St., 500 ft. E. of Hillside Ave. Otis and Chestnut Streets. Perkins and Lander Streets.

Prospect, 600 ft. north of Washington Street.

Prospect and Washington Streets. River and Henshaw Streets. River and Elm Streets.

River St., opposite Franklin School. River and Pine Streets.

Temple and Highland Streets.

Temple and Putnam Streets. Temple and Prospect Streets. Temple, 600 ft. W. of Putnam St. Waltham and Washington Streets. Waltham St., opposite Eden Ave. Waltham Street, 500 feet north of Eden Avenue.

Waltham and Derby Streets. Waltham and Pleasant Streets. Waltham and Crafts Streets. Washington St. and Greenwood Ave. Washington Street, 100 feet east of

Davis Court. Washington Street and Lucas Ave. Watertown, opposite Cross Street. Watertown Street, 260 feet east of Davis Court.

Webster and Waltham Streets. Webster and Cherry Streets. Webster Street and Oak Avenue. Webster Street and Webster Place. Webster Place and Webster Park. Winthrop and Putnam Streets.

Winthrop and Shaw Streets.

LOCATED IN WARD FOUR.

Aimshouse (private). Ash and Melrose Streets.

Ash and Seaverns Streets.

Ash, 600 ft north of Bourne Street. Auburn and Greenough Streets.

Auburn, 240 ft. west of Maple St.

Auburn St. and Washington Ave.

Auburndale Avenue, 540 feet west of Rowe Street.

Auburndale Avenue, 420 feet west of River Street.

Auburndale Avenue, 900 feet east of Rowe Street.

Central and Maple Streets.

Central, 340 feet west of Fern St. Central Street and Woodland Ave. Central Street, 500 ft. east of Wood-

land Avenue.

Grove and Central Streets.

Grove, 500 feet south of Central St.

Grove, 700 feet west of Hancock St.

Hancock and Central Streets. Hancock St. and Woodland Ave.

Hancock and Fern Streets.

Hancock and Grove Streets.

Hawthorn Avenue, 600 feet south of Woodland Avenue.

Islington Avenue.

Lexington and Auburn Streets.

Lexington Street, opposite Auburndale Avenue.

Lexington Street, 900 feet north of Auburndale Avenue.

Melrose and Seaverns Streets.

Melrose, 900 ft. N. of Seaverns St.

Oakland Avenue, 900 feet south of Auburn Street.

Rowe and Auburn Streets.

Rowe Street and railroad-crossing.

Seaverns and Lexington Streets.

Seminary, 700 feet west of Woodland Avenue.

Vista, 700 ft. W of Woodland Ave. Walcott and Rowe Streets.

Walcott, 600 ft. E. of Lexington St. Washington Street, opposite Woodland Park Hotel.

Washington and Aspen Avenues. Washington Ave. and Bourne St. Woodland and Washington Aves. Woodland Avenue and Maple St. Woodland, opp. Seminary Avenue. Woodland Avenue and Grove Street.

RIVERSIDE.

Charles Street and Evergreen Ave. Charles, 600 ft. west of Auburn St Charles and Auburn Streets.

Evergreen Avenue, 500 feet south of Auburn Street.

Newland, 300 feet S. of Charles St.

LOWER FALLS.

Beacon, 1,000 feet south of Wash- | Pine Grove Ave., 700 feet north of ington Street.

Beacon Street, opposite Almshouse. Beacon St., 800 ft. E. of Almshouse. Concord Street and Weston line.

Concord and Washington Streets. Grove and Washington Streets.

Grove, 400 ft. north of Washington

Grove, 700 ft. north of Washington Street.

Grove and St. Mary's Streets. Pine Grove Ave. and Grove Street.

Boylston, 700 feet west of High St.

Grove Street.

Wales Street and Needham line. Washington, 1,500 feet east of Beacon Street.

Washington, 700 ft. east of Beacon

Washington and Beacon Streets. Washington, 300 ft. E. of Wales St. Washington and Wales Streets. Washington St., opp. No. 6 Hose. Washington and Hamilton Streets.

LOCATED IN WARD FIVE.

Boylston and Chestnut Streets. Boylston and Ellis Streets. Chandler Street. Chestnut and Summer Streets. Chestnut, 600 ft. south of Elliott St. Chestnut St. and cotton-mill gate. Elliott, 500 feet east of Cottage St. Elliott and Cottage Streets. Elliott and Oak Streets.

Elliott and Chestnut Streets. Elliott Street and Needham line. Elliott and Cheney Streets. High and Boylston Streets. High and Winter Streets. Mechanic and Cheney Streets. Needham and Oak Streets. Oak and Chestnut Streets. Oak, 400 ft. north of Needham St. Oak, 400 feet south of Elliott St. Otis Pettee & Co. shops (private). Pettee Street, opposite No. 7 Hose. Pumping-station. Woodward and Chestnut Streets.

HIGHLANDS.

Boylston and Centre Streets.
Boylston and Hartford Streets.
Columbus and Lincoln Streets.
Cook, opposite Winchester Street.
Erie Avenue and Bowdoin Street.
Floral Avenue and Walnut Street.
Forest and Bowdoin Streets.
Forest and Columbus Streets.

Hartford Street and Erie Avenue.
Hyde and Centre Streets.
Lake Avenue and Walnut Street.
Lincoln and Woodward Streets.
Walnut and Centre Streets.
Walnut, 400 feet north of Forest St.
Winchester and Hyde Streets.
Woodward and Boylston Streets.

LOCATED IN WARD SIX.

Beacon, 500 feet east of Walnut St. Beacon St., 500 ft. W. of Lake Ave. Beacon Street and Crescent Avenue Beacon and Centre Streets. Beacon and Walnut Streets.

Beacon St., 490 feet west of Grant Avenue.

Beacon St., 2,000 feet east of Grant Avenue.

Cedar, 300 feet north of Homer St. Cedar, 100 feet south of Mill Street. Cedar, 300 feet south of Mill Street. Centre and Homer Streets. Centre and Ward Streets.

Centre and Mill Streets.

Centre, 300 feet north of Cotton St. Centre, 600 feet south of Sargent St.

Centre and Sargent Streets.

Chase Street and Institution Ave Chase and Station Streets.

Clark and Centre Streets.

Clark, 1,400 feet south of Centre St. Clark and Parker Streets.

Clinton Place, 300 feet west of Centre Street.

Crescent Avenue and Centre Street.
Crescent Street and Norwood Ave.
Crystal Street and Lake Avenue.
Cypress and Paul Streets.
Elgin St., 400 feet east of Glen Ave.
Everett, 500 ft. east of Sumner St.

Grafton and Centre Streets.
Grafton and Homer Streets.
Homer, 600 feet east of Walnut St.
Homer and Pleasant Streets.

Homer and Cedar Streets.

Institution Avenue, 500 feet south of Chase Street.

Knowles and Station Streets.

Lake Ave., 500 ft. east of Hyde St.

Lake Avenue and Laurel Street.

Lyman, 400 feet east of Centre St.

Maple Avenue and Homer Street. Parker and Cypress Streets.

Pleasant Street, 500 feet east of Crescent Avenue. Pleasant St., 500 ft. N. of Lake Ave.

Rogers and Centre Streets
Station, 200 feet east of Centre St.
Station and Beacon Streets.
Station Street and railway-crossing.

Sumner, 500 feet west of Gibbs St. Sumner and Gibbs Streets
Walnut Street and cemetery gate.

Ward, 570 feet east of Sumner St. Ward Street and Grant Avenue. Ward St, 480 ft. E. of Waverly Ave. Ward Street, reservoir-yard.

Ward, 550 feet west of South Street. Warren St., 500 ft. S of Glen Ave. Warren Street and Glen Avenue.

Willow and Centre Streets.

CHESTNUT HILL.

Beacon, 500 ft. W. of Hammond St., Hammond, 900 feet S. of Ward St. Hammond and Beacon Streets. Hammond, 600 ft. S. of Beacon St. Hammond, 1,000 feet south of Beacon Street.

Hammond, 200 feet south of railroad-bridge.

Hammond, 600 feet north of railroad-station.

Hammond St. and railroad-bridge. Saltonstall Avenue (3).

Hammond, 400 feet S. of Ward St. South, 800 feet N. of Hammond St.

LOCATED III WARD SEVEN.

Arlington, 450 ft. S. of Belmont St. Arlington Street and Waverly Ave. Arlington and Pembroke Streets. Carleton and Centre Streets. Church and Centre Streets. Church and Eldredge Streets. Church and Park Streets. Durant Street and Waverly Avenue. Elmwood and Centre Streets. Elmwood and Baldwin Streets. Elmwood and Brooks Streets. Franklin and Centre Streets. Franklin Street and Kenrick Park. Franklin, between Centre Street and Kenrick Park. Franklin Street and Waverly Ave. Hunnewell Avenue and Hunnewell Park (private). Hunnewell Park (private). Hunnewell Ave. and Washington St. Jefferson and William Streets.

Jefferson and Centre Streets.

Kenilworth and Ivanhoe Streets.

Linden and Washington Streets.

Montrose and Ivanhoe Streets.

Waverly Avenue.

Kenrick Street and Magnolia Ave.

Monument Avenue, 400 feet east of

Nonantum and St. James Streets. Nonantum, 110 feet north of Orchard Street.

Nonantum Square (four way). Park and Vernon Streets. Park, 500 feet south of Vernon St. Park and Sargent Streets.

Pearl and Bacon Streets.

Pearl and Linden Streets.

Pembroke, 100 ft. S. of Durant St. St. James St. and railroad-bridge. Sargent Street and Hyde Avenue.

Tremont and Pembroke Streets.

Tremont Street and Waverly Ave. Vernon and Centre Streets.

Vernon and Baldwin Streets.

Washington and Nonantum Streets. Washington and Park Streets.

Washington, 190 feet east of St. James Street.

Washington Street and city of Boston line

Washington Street, 400 feet east of Waverly Avenue.

Waverly Avenue and Kenrick St. Waverly Avenue, 900 feet south of Kenrick Street.

Waverly Avenue and Cotton Street.



RULES AND REGULATIONS

FOR THE GOVERNMENT OF THE

NEWTON FIRE DEPARTMENT.

CHIEF OF DEPARTMENT.

THE Chief of Department shall have the sole and absolute command at fires and alarms of fires over all members of the department and of all other persons present at fires, and of all apparatus and appurtenances belonging to the department, and direct all measures he may deem proper for the extinguishment of fires. He shall devote his whole time to the performance of the duties of his office. He shall visit the engine, hose, and truck stations daily, if possible (Sundays excepted), and report to the Fire Committee or Board of Aldermen such suggestions or recommendations as he may deem necessary. He may, from time to time, issue such orders for the government of the members as he may deem necessary, subject to the approval of the Mayor and Aldermen.

He shall have power to suspend any officer or member of the department for insubordination, disorderly conduct, or neglect of duty, said suspension to continue, pending the action of the Mayor and Aldermen.

ASSISTANT CHIEF.

In the absence of the Chief of Department the Assistant Chief shall have the same authority, and exercise the same powers, as the Chief of Department. On arrival at fires he shall report to the officer in command, and when on duty wear his fire-hat. He shall report to the nearest engine-

station for all alarms from boxes which he does not respond to on first call, remaining thirty minutes, unless sooner dismissed.

FIRE-ALARM OPERATOR.

The Fire-Alarm Operator shall have, under the direction of the Chief of Department, general supervision and management of all the telegraph apparatus belonging to the department, and every thing pertaining to the same. He shall keep the same at all times in perfect working-order, and repair all breaks in the most expeditious manner, reporting to the Chief of Department for all necessary supplies, and such improvements as he may think advisable. When additional help is necessary, he will make application to the Chief of Department, and, when in the immediate vicinity of the department houses, he may obtain the assistance of the regular members, by direction of the Chief of Department. He shall give necessary instructions to persons in the department and to key-holders. He shall devote his whole time to the duties of the position.

ENGINEERS.

The engineers shall have full control of the engine, bunk, and meeting-rooms and basements, and shall report to the Chief of Department at once the name of any member of the department, or other person, guilty of any disorderly conduct, or violation of the Rules and Regulations; also any damage which their apparatus, or any part of it, their houses, or furniture, may have sustained. They shall keep an account of all supplies that come to the station, and promptly report when materials are required for use; keep their engines at all times in condition for immediate service. Delays or accidents resulting from neglect will be sufficient cause for suspension or discharge. They shall instruct their stokers in the management of the engines. The use of all patent preparations for cleaning the metals is strictly pro-All material for polishing will be furnished from headquarters. Keep the safety-valve set at eighty pounds, and run the engines according to the line of hose: a hundred pounds will be carried only when working through an extra long line, or two lines of, say five hundred feet each. Water-pressure will never exceed a hundred pounds, except on special order from the Chief or Assistant Chief of Department.

The following whistle-signals will be made use of in this department until further orders:—

One whistle, signals pipemen to look out for water.

Two whistles, signal for burst hose.

Three whistles, signal for coal.

Two short and one long whistle, signal, "Make up."

Engineers will be on duty at all times. No member shall shut off the water, or in any manner move the machinery attached to the engine, except at request of the engineer.

When the services of the engine are not required, draw the fire, always leaving sufficient quantity for rekindling in case of another alarm while returning. All fuel partially consumed shall be preserved, and not be left burning in the streets.

DRIVERS.

Drivers permanently employed shall be on duty at all times. They shall be held personally responsible for their stables and for the care and management of their horses. They must not drive them faster than is consistent with the safety of the public and of the apparatus of the department. They will be held responsible for any damage caused by them, or carelessness displayed in conveying their apparatus to or from fires. Racing to or from fires will not be allowed under any circumstances. If the apparatus of two or more companies shall proceed to or from a fire on the same street, they shall do so in single file. Returning from fires, they shall drive at a moderate rate of speed. On arriving at fires, the horses shall be blanketed, and kept moving, if possible, and upon returning to the house, if wet by perspiration, they must be immediately rubbed dry. These instructions will also apply to drivers of hose-carriages and tenders.

EXERCISE HOURS.

The horses used exclusively by this department will be exercised two hours on each of the following stated days,—

Monday, Wednesday, and Friday, weather permitting, and when the horses have performed no duty within the twenty-four hours next preceding. The horses will not be exercised on public holidays, but on the preceding, or the day after. The horses will always be exercised within one half-mile of their respective stations, unless otherwise ordered by the Chief of Department, and never speed them faster than a slow trot.

"RIGHT OF WAY WHEN PROCEEDING TO FIRES," AS ACCORDED BY LAW.

[Chap. 37, Acts 1874.]

An Act to punish the Wilful Obstruction of Fire-Engines, etc.

Whoever wilfully and maliciously obstructs, or retards, the passage of any engine, or other apparatus of any fire-department, while going to a fire, through any street, lane, alley, or other way, shall be punished by imprisonment in the House of Correction not exceeding three months, or by a fine not exceeding fifty dollars. [Approved Feb. 28, 1874.

All drivers of this department will govern themselves by the above law, and use the utmost discretion at all times to avoid accidents. Hose-carriages, in response to alarms of fire, will follow the engines to which they belong. Call-drivers of hose-carriages will be required to sleep in their respective stations.

While the horses are being groomed, but one harness will be removed at a time.

STOKERS.

The stokers shall respond promptly to all alarms, and, when in quarters, they will assist in hitching up. When on duty at fires, they shall be under the direction of their respective engineers, who shall require their whole and undivided attention. On return from fires, they shall remain on duty until relieved by their engineers They will be required to sleep in their respective stations.

FOREMEN.

It shall be the duty of the foremen of all companies where permanent men are not employed to see that the apparatus committed to their care, and the several stations in which the same are deposited, and all things in or belonging to the same, are kept neat and clean, and in order for immediate use; to see that the snow is cleared from the sidewalks and driveways connected with the stations under their charge.

FINES.

Foremen of companies will see that the following fines for non-attendance are rigidly enforced:—

For absence from fires, and alarms			\$1 00
For absence from regular and special meetings			50

ASSISTANT FOREMEN.

The assistant foreman shall, in the absence of the foreman, perform all the duties, and exercise the same authority as the foreman.

MEMBERS.

The members of the several companies shall, upon an alarm of fire from the section of the city to which they are assigned for duty, proceed promptly to the place of the fire in an orderly manner, report to the foreman, and perform any duty that may be required of them. They shall remain on duty until relieved by orders, which shall be given only by the officer in command. If the company to which they are attached does not respond to the alarm on first call, they shall proceed to their engine, hose, or truck stations, and remain thirty minutes, unless called into service, or relieved by dismissal. No member shall be absent from duty for a longer period than one month, except in case of sickness, or by special permission of the Chief of Department. No person whose occupation requires his daily absence from the city will be eligible to membership in this department. Any officer or member of this department who shall remove from the city shall thereupon cease to be a member; and all members of the department will be required to live within a reasonable distance of their respective stations.

SUBSTITUTES.

Each company may have two substitutes to take the places of call-members absent from the city, or disabled by sickness.

They shall be approved by the Chief of Department, and shall, if for services rendered for a period of fifteen days or more, receive the same compensation as their principals, to be deducted from their principals' pay. Any substitute serving for a less time than fifteen days shall be paid the amount of fines imposed on his principal for non-attendance at fires or alarms. Any member failing to pay his substitute on the following pay-day shall be subject to dismissal. No substitute can be assigned to duty in place of his principal during the time of a fire or an alarm of fire.

BUNKERS.

Call-men to whom beds are assigned will be required to retire at or before 11 P.M., unless excused by the engineer, or person in charge of the station, and will not be allowed to use or occupy the same during the day, unless deprived of their usual rest by the performance of active fire duty, or in case of sickness sufficient to require the use of the same. No visitors will be allowed in the bunk-rooms after hours, or at any other time while the beds are occupied. It shall be the duty of the engineer to immediately report to the Chief of Department any misconduct or violation of the rules on the part of persons occupying said beds. The occupant of each bed will be held responsible for the cleanliness of the same, and for any damage to either bed or bedding through carelessness. All members occupying sleeping-quarters in the engine, hose, and truck stations, shall vacate their beds, from May 1 to Oct. 1, at 6.30 A.M., and from Oct. 1 to May 1, at 7 A.M.

HORSES AND FEEDING.

The system of feeding shall be as follows, particular care being exercised not to feed or water the horses while too warm:—

Four quarts of oats morning and night: this, with about eight or ten pounds of hay after bedding the horses, will constitute the daily allowance for each horse, and must not be exceeded. But, when it shall be ascertained that a less allowance is sufficient, the drivers will exercise discretion as

to the quantity. The stalls to be cleaned early in the morning, after breakfast the horses groomed, and the harnesses cleaned. Horses sick or disabled will be immediately reported to the Chief of Department. No alterations or changes in harness will be permitted, except upon authority of the Chief of Department. When horses are in the shop for shoeing, the drivers shall remain with them, and shall report to the Chief of Department any unnecessary delay, or any work improperly executed, and will allow but one shoe to be removed at a time.

BADGES.

All members of the Department shall be provided with a badge, to be known as the Regulation Badge of the Department, which shall be worn in a conspicuous place during the time they are on duty; and no member shall lend his badge on any pretext whatever. Any member losing his badge shall immediately notify the Chief of Department, and use all diligence to recover the same. He shall be required to pay for the same before another badge will be provided, the money so paid to be refunded, should the badge be found. These badges shall at all times remain the property of the city. Any member loaning his badge to any person not connected with the Department shall be subject to dismissal. No person will be recognized as a member of this department, unless wearing his badge.

ROLL-CALL.

Upon returning from a fire, or an alarm of fire, the Assistant Foreman, or, in his absence, the Foreman, shall call the roll, and report to the Chief of Department any member absent and the excuse for the same; and in no case shall the permanent members act as substitutes for the call-members, or answer for them at roll-call.

LEAVE OF ABSENCE.

No permanent member shall leave the city, or be granted leave of absence, without notifying the Chief of Department, and procure a substitute to his acceptance; and the substitute shall be on duty before the applicant leaves his post, and the pay of the substitute may be deducted from the pay of the principal. Any member of the call-force expecting to be absent from the city shall notify the Foreman of his company, and procure a substitute to his satisfaction. Whenever leave of absence is granted to bunkers, they shall report the same to the person in charge of their station, and shall in like manner report their return.

SUPPLIES.

No member of the department will be allowed to make any purchases for the department, chargeable to the city, except by order of the Chairman of Fire Committee or Chief of Department.

MEALS.

For permanent members three hours daily will be allowed for meals, and will be so arranged that there shall be at all times one member on duty.

DUTIES AT FIRES.

At all fires the first officer arriving shall, in the absence of the Chief or Assistant Chief, and until his arrival, act as Chief of Department, and be obeyed and respected accordingly. The men are required to move quickly, and obey orders promptly and without criticism. The officers in charge of the several companies shall, immediately on their arrival at a fire, report to the officer in command, and remain for orders. No company shall leave the fire-grounds, or take the apparatus of which they have charge therefrom, without the order or permission of the officer in command. Any neglect of duty, disobedience of orders, or disrespect to officers, shall be reported to the Chief of Department. No member shall wilfully or maliciously direct a stream of water upon any fireman or citizen. All disputes which may arise between companies or individual firemen when on duty shall be settled by the engineer in command. Members of companies that are not in service at fires will not enter the buildings unless ordered, but remain convenient to the fire, equipped, and ready for orders.









GOING TO OR FROM FIRES.

Order and decorum will be preserved when going to or from a fire or an alarm. To guard against collision and accident when proceeding to fires, the gongs will be struck when approaching street-crossings, turning corners, and approaching the fire-grounds.

RIDING TO FIRES.

All drivers will be held responsible for any unnecessary overloading, and will in all cases judge of the ability of the horses, the condition of the streets, and the distance to travel. The men will mount and dismount as ordered by them. Officers will avail themselves of any opportunity to ride to fires (excepting on engines), to the exclusion, if necessary, of the men.

FIRE-GROUNDS.

All engine and hose companies responding to second or general alarms will connect, but will not lay their lines until they have reported to the officer in command at the fire for orders.

STATIONS.

Stations of the department shall be open from ten A.M. until ten P.M. for visitors, and at any other time for inspection by members of the City Government. On the sabbath all stations must be closed, and it is made the duty of the engineer or person in charge to see that order and quiet are All work other than that absolutely necessary preserved. will be omitted for the day. The permanent members of each station shall once in each week scrub the floors of their respective stations, and at all times keep them neat and clean. The members in charge of the several stations shall personally attend to the receiving of visitors, whether members of the City Government, officers of the department, or citizens. Citizens visiting the stations shall be courteously treated, have reasonable questions answered, and any proper information given. All members detailed to sleep in the stations must be in their quarters at the time stated for closing the station, unless otherwise excused, and all other persons must leave at that time.

DRILL.

Until further notice the truck company will drill once each month, from May 1 to Oct. 1, and all other companies at such times as may be ordered by the Chief of Department.

CONDUCT.

All members of the department are strictly required in their intercourse with each other, social or official, to observe a courteous demeanor, and officers or men in addressing each other will do so in a respectful manner. While on duty at fires, the greatest degree of silence compatible with a proper discharge of duty will be required. No profane or ungentlemanly language, or disorderly conduct, will be allowed on the part of any officer or member of the department when on duty.

No spirituous or malt liquors will be allowed in any station of the department, or at any fire. If any member shall enter any station of the department intoxicated, or become intoxicated at a fire, he shall be subject to dismissal.

No gambling of any kind will be allowed in any station of the department.

GENERAL RULES.

RULE 1.

No driver of engine, hose, hook-and-ladder truck, or other vehicle, shall drive over any line of hose if it can be avoided.

RULE 2.

No company will be allowed to take its apparatus from their quarters, except in case of fire, without consent of the Chief of Department.

RULE 3.

The hose must be changed on reels once in four weeks, unless otherwise ordered by the Chief of Department, for which purpose the foreman will warn the members of his company detailed for this purpose; and any member absent, unless excused, will be fined the same amount as for absence from fires.

RULE 4.

Any member permanently employed who refuses or neglects to pay any just debt contracted during his connection with the department, it shall be deemed sufficient cause for suspension or discharge.

RULE 5.

No permanent officer or member of the department shall attend a caucus or political convention as a delegate, distribute tickets at any election, or take any part whatever in political matters other than to exercise a right of suffrage.

RULE 6.

All members of the department will be required to address officers by their respective titles when on duty.

RULE 7.

When any member shall leave the department, he shall thereupon return his badge, key, and copy of Rules and Regulations, in good condition, to the foreman of his company, who shall immediately notify the Chief of Department; and any member failing so to do shall have the amount deducted from his pay.

RULE 8.

No balls, parties, or social gatherings of any description shall be held in any building in charge of the department, except on permission from the Chief of Department.

RULE 9.

No property belonging to the city will be loaned, for any purpose whatever, except upon written order of the Chief of Department.

RULE 10.

No hoseman or truckman at call shall be entitled to pay for less than fifteen days' service. All appointments shall, as far as practicable, be made to date from the first or fifteenth day of each month.

RULE 11.

In the use of hydrants, all members of the department are instructed to use great care in the opening and closing of the same, and to see that each cap is properly adjusted before leaving. The first company connecting to a hydrant in case of fire will leave one member in charge of the same: should a second company or line desire connection, it will not be made until the line is complete to the fire, and orders given for water. Exceptions to this are ordered for engines, which will be given immediate connection (if ordered into service), and the hydrant left in charge of the engineer.

RULE 12.

Officers of companies, hosemen, and laddermen will wear their fire-hats when on duty.

Approved by the Board of Mayor and Aldermen, April 19, 1880. Attest: Edwin O. Childs, Clerk.

H. L. BIXBY, Chief Fire Department.

ORDINANCES RELATING TO FIRE DEPARTMENT.

ORDINANCE XIII.

Fire Department.

SECTION 1. A fire department is hereby estab- Department lished.

established. Charter, § 7.

There shall be a Chief of Fire Department, an Assistant Chief, an operator of the fire-alarm telegraph, three steam fire-engine companies, four hose companies, and one truck company.

Each steam fire-engine company shall consist of Number of thirteen men; to wit, a foreman, an assistant foreman (who shall also be clerk), an engineman, a driver, a fireman, and eight hosemen.

Each hose company shall consist of six men; to wit, a foreman, an assistant foreman (who shall also be clerk), and four hosemen.

Each truck company shall consist of thirteen men; to wit, a foreman, an assistant foreman (who shall also be clerk), a driver, and ten truckmen.

SECT. 2. The Chief of Department shall be Chief. responsible for the discipline, good order, and Duties. proper conduct of the officers and men constituting the department, and for the good condition of all houses, reservoirs, hydrants, wells, engines, hose, hose-carriages, hooks and ladders, trucks, and all apparatus and furniture thereto belonging, and connected with the department. He may May suspend. suspend any officer or member, and shall forthwith refer his case to the Board of Aldermen for its action. He shall have the superintendence,

Superintendence and control of houses and apparatus. and, under the direction of the joint standing committee on the fire department, the control, of the engine and other houses used by the department, of the furniture therein, and of the engines and apparatus, as well as of all other property appertaining to the department.

Sole command of members.

SECT. 3. The Chief of Department, or, in his absence, the Assistant Chief, shall have sole and absolute control and command of all the other members of the department and of other persons present at fires.¹ The officer in command of the company which first arrives at a fire shall be the officer in command until the Chief of Department or the Assistant Chief arrives.

Rolls.

SECT. 4. The Chief of Department shall keep rolls of the companies, specifying the name, age, occupation, and residence, and the date of the admission and discharge, of each member of the department; and he shall keep an accurate account of all property belonging to it.

Reports of fires, etc.

He shall, at the close of each three months, and oftener if required, make to the City Council a detailed report of the condition of the fire department, of losses and accidents by fire, with the causes thereof as well as they can be ascertained, and of the description of the buildings and other

Fire wards, etc., may order buildings to be pulled down. ¹ Public Statutes.—Sect. 3. The fire-wards, or any three of them, present at a place in immediate danger from a fire, or, where no fire-wards are appointed, the selectmen, or mayor and aldermen present, or, in their absence, two or more of the civil officers present, or, in their absence, two or more of the chief military officers of the place present, may direct any house or building to be pulled down or demolished, when they judge the same to be necessary in order to prevent the spreading of the fire.

Engineer to have power of fire-wards under Sect. 3.

SECT. 4. In cities and towns, which by vote of the City Council, or of the legal voters respectively, have accepted the provisions of this section, or of chapter two hundred and one of the statutes of the year eighteen hundred and seventy-three, the engineer of a fire department in command at a fire shall, to the exclusion of all other persons, have the power conferred by the preceding section.

Acceptance.

[Stat. 1873, chap. 201. Accepted Feb. 12, 1877.]

property destroyed or injured, the amount of insurance, and the names of the owners.

SECT. 5. The foremen shall preserve order and Foremen. discipline in their respective companies, and shall promptly report in writing the name of any member guilty of misconduct to the Chief of Department, who shall, if he thinks it proper, report thereon to the Mayor and Aldermen.

The foremen shall cause to be kept by the re- Rolls. spective clerks rolls of the companies, specifying the time of admission and discharge of each member, together with the age, residence, and occupation of each member, and a record of all the city's property intrusted to their care. Their rolls and record-books shall at all times be subject to the inspection of the Chief of Department; and they shall furnish him with copies or abstracts thereof at his request.

SECT. 6. It shall be the duty of the men per- Care of appamanently employed in the department to keep the apparatus committed to their care, and the several buildings in which the same is deposited, and all things intrusted to their care, clean, and in order for immediate use, and to wash and dry the hose of the entire department when required so to do; and they shall clear the snow from the sidewalks and driveways connected with the houses under their charge.

ratus, etc.

SECT. 7. No company shall leave the city in Companies not to leave case of a fire in another city or town, except by city, except. order of the Chief or Assistant Chief of Department.

SECT. 8. No member shall be transferred from Members not one company to another, except by order of the ferred, except. Chief of Department.

to be trans-

SECT. 9. Every member of the department Badge. shall wear at every fire such a badge as the Chief of Department shall prescribe; and no person without such badge shall, except by permission of

the officer in command, enter within lines formed at a fire by such officer.

Shavings and other combustible material. Pub. Stats., chap. 104, §§ 1-12.

SECT. 10. The Chief of Department shall examine all places where shavings or other combustible materials are deposited or collected; and shall see to the removal of the same, whenever, in his opinion, the same are dangerous; and shall direct the owners, tenants, or occupants of such places to remove the same, which they shall do forthwith; and, in case of refusal or neglect, he shall cause the same to be removed at the expense of such owners, tenants, or occupants.

Inspection of buildings by Chief.

Steamengines.

Camphene,

The Chief of Department shall ob-SECT. 11. serve all buildings in which steam-engines are used, and all buildings in process of erection or alteration, and make a record of such of them as in his judgment may be dangerous, and report thereon to the Mayor and Aldermen forthwith. Whenever, in the opinion of the Chief of Department, any camphene or other explosive or inflammable fluid or material should be removed, he shall forthwith notify and direct the owner, tenant, or occupant of the premises upon which the same are situated, to remove the same, which he shall forthwith do. In case such tenant, owner, or occupant shall refuse or neglect so to do, the Chief of Department shall cause the same to be removed at the expense of such owner, tenant, or occupant. No person shall obstruct the Chief of Department in carrying out the provisions of this section.

Chief to prepare pay-roll. SECT. 12. The Chief of Department shall, on the last day of each month, prepare a pay-roll of all persons regularly employed in the department, and present it to the committee on the fire department, for their action. On the last day of June and of December in each year, the clerk of each company shall make a roll, bearing the full name, age, occupation, and residence of every member of

the company, specifying also the number of times the company has been called out, and the attendance of each member, to which shall be appended the following certificate: -

"We the undersigned do hereby certify, that, according to the best of our knowledge and belief, the foregoing persons are members of — company, and that said company has consisted of — members during the last six months; that during that time they have performed all the duties incumbent on them as firemen, have been present at every turn-out of the company, or been duly excused, and that they are entitled to all the privileges and pay of firemen."

The certificate shall be signed by the foreman Certificate of and clerk, and shall be delivered to the Chief of Department.

The Chief of Department shall examine these rolls, and, if they are found correct, shall approve them, and present them, with the pay-rolls of the several companies, to the committee on the fire department, for their action.

SECT. 13. The Chief of Department shall have Fire-alarm the care and management of the rooms, apparatus, and machinery connected with the fire-alarm telegraph, and shall determine to whom shall be intrusted the keys of the signal-boxes. He shall keys. prepare rules and directions for giving alarms of fire through the telegraph.

SECT. 14. No unauthorized person shall open Signal-boxes. any of the signal-boxes, except in case of fire, or interfere with the wires, or the poles, or other supports of the wires.

SECT. 15. The Chief of Department shall see False alarms. that every person raising a false alarm of fire is prosecuted.

SECT. 16. No gambling shall be allowed in any Gambling. building occupied by the fire department, nor shall spirituous liquors be kept or used there.

SECT. 17. No person shall draw water from the reservoirs or fire-hydrants, except in case of

Water from hydrants, etc. fire, and except as otherwise provided; ¹ nor shall any engine, hose, or truck, be taken out of the city, without permission of the Chief or Assistant Chief. No part of the apparatus shall be taken from the city, unless to a fire, without special permission from the Mayor and Aldermen.

SECT. 18. No occupant of any building or room in which there is a hatchway or trap-door shall suffer the same to be left open at night.

Disabled members.

SECT. 19. Any member of the department injured or disabled while on actual duty shall receive pay for the time lost in consequence, not exceeding three months.

Setting fires wantonly to trees, etc. SECT. 20. No person shall wantonly or carelessly set fire to any tree, bush, grass, leaves, brushwood, rubbish, or other substance in any place in the city of Newton.

Penalty.

SECT. 21. Whoever shall violate any provision of this ordinance shall forfeit a sum not exceeding twenty dollars.

ORDINANCE XXIV.

Buildings.

Section 1. No person shall erect, alter or rebuild, or essentially change, any building or any part thereof, for any purpose other than a dwelling-house, without first obtaining in writing a permit from the Board of Aldermen. The application for such permit shall specify the location and size of said building, the material of which it is to be constructed, and the use for which it is intended.

SECT. 2. No person shall use any building, or part thereof, for any purpose rendering said building, or buildings adjacent thereto, hazardous, unsafe, or liable to be destroyed by fire, or dangerous

Permit.

¹ Ordinance XV. § 19.

to persons or property, without first obtaining a permit as named in section one.

SECT. 3. All chimneys hereafter erected shall Chimneys and brick flues. be built of brick, stone, or other fire-proof, nonconducting material. All brick flues shall be smoothly plastered inside with mortar from top to bottom, and outside below the roofing. In no case shall chimneys rest upon any flooring without a footing of masonry or iron, supported by iron beams, having a secure bearing on iron at either end.

Hearths of fireplaces or grates shall be laid upon brick or other trimmer arches, or upon bars of iron supporting a bed of brick-work.

Hearths and grates.

No wood-work of any kind shall be placed at a less distance than one inch from the outside brickwork of any flue, and in no case shall a nail be driven into the masonry of any flue.

No wood-work shall be placed at a less distance than one inch from any tin or other metal flue or flues, pipe or pipes, used or intended to be used to convey heated air or steam in any building, unless such flues or pipes be cased with metal, leaving a free circulation of air all around the same.

No smoke-pipe shall pass through any stud or smoke-pipe. wooden partitions, whether plastered or not, without being guarded either by a double collar of metal with at least four inches' air-space and holes for ventilation, or by a soapstone ring not less than three inches in thickness, and extending through the partition.

SECT. 4. Whoever violates any provision of the preceding sections of this ordinance shall be liable to a fine not exceeding one hundred dollars.

ORDINANCE XXII.

Gunpowder and Other Explosive Compounds.

Pub. Stats., chap. 102, § 56. SECTION 1. No person shall keep or deposit any gunpowder within the city, unless it is well secured in tight casks or canisters.

No person to keep or deposit gunpowder, unless, etc.

etc.

Limit of amount.

No person shall keep or deposit more than fifty pounds of gunpowder in any shop, store, or other building which is within the distance of twenty-five rods from any other building or wharf; no person shall keep or deposit more than twenty-five pounds of gunpowder in any shop, store, or other building which is within the distance of ten rods from any other building; and no person shall keep or deposit more than one pound of gunpowder in any shop, store, or other building which is within ten rods of any other building, unless it is well secured in copper, tin, or brass canisters, holding not exceeding five pounds each, and closely covered with copper, brass, or tin covers.

Licenses.

SECT. 2. Licenses may be granted by the Mayor and Aldermen, for the retailing of gunpowder, in form substantially as follows; to wit:—

Gunpowder License No.

LICENSE TO SELL GUNPOWDER IN THE CITY OF NEWTON.

This certifies that of Newton is (or are) hereby licensed and authorized to sell gunpowder at retail, at on Street, being place of business in said city, for one year from the date hereof, at noon, provided shall duly conform to the laws and to the provisions of the ordinance printed hereon. And in case the said shall at any time during the term aforesaid infringe the laws, or any of the provisions of the said ordinance, then this license shall be void.

Dated at Newton this day of in the year of our Lord one thousand eight hundred and . . .

No person shall sell any gunpowder within the Sales without city without such license. Every such license shall be in force one year from the date thereof, provided that any such license may be rescinded by the Mayor and Aldermen, at their discretion.

license prohibited.

be rescinded.

SECT. 3. Every person so licensed shall keep sign. a sign over the outside of the principal entrance from the street, of the building in which powder is kept, on which shall be printed in capitals the words "Licensed to keep and sell gunpowder."

City clerk to keep record of licenses, etc. Place not to be changed,

The City Clerk shall keep a record SECT. 4. of all such licenses, and of the places designated therein; which places shall not be changed, unless by consent of the Mayor and Aldermen, in writing. Every person who receives a license shall sign his name to a copy of the rules prescribed in this ordinance, as evidence of his assent thereto.

Keeping in magazines.

SECT. 5. The provisions of this ordinance shall Exceptions. not apply or extend to the keeping or storing of metallic cartridges in fire-proof magazines, nor to cartridge-manufacturers, so long as they shall keep their powder in canisters, as prescribed in Sect. 4, and in fire-proof magazines, located and built to the satisfaction of the Mayor and Aldermen, and so long as such manufacturers allow no more than one hundred pounds of gunpowder in any magazine, or five pounds of gunpowder not made into cartridges, to be in any one workshop at any one time.

chap. 102, §§ 59, etc.

SECT. 6. No person, except on military duty Pub. Stats., in the public service of the United States or of this Commonwealth, shall keep, have, or possess, in any building, place, vehicle, ship, or other vessel within one rod of a dwelling-house, any explosive compound other than gunpowder, in quantity exceeding one-fifth of a pound.

SECT. 7. The Mayor and Aldermen may license Licenses. any suitable person to keep, store, and sell such compound, in accordance with the foregoing provisions.

SECT. 8. Any member of the police or of the Fire Department may enter the building or premises of any person so licensed, to make the examination provided by law, at his discretion, and on alarm of fire may cause such compound there deposited to be removed or destroyed, as the case may require.

Penalty.

SECT. 9. Whoever violates any provision of this ordinance shall be liable to a fine not exceeding twenty dollars.

















STATISTICS OF THE NEWTON FIRE DEPARTMENT,

From Jan. 1, 1883, to Dec. 31, 1883.

Number of telegraph-alarms.		•		•	•			65
Number of verbal and telephone	alarm	ıs						36
Total of alarms					•			101
Aggregate number of alarms, 18	882		•					59
Increase in number of alarms	•							42
Alarms given by citizens .								74
Alarms given by firemen .								16
Alarms given by police	•							11
Losses on real estate		•					\$5,90	3.00
Losses on personal property .							\$1,16	3.00
Insurance paid on real estate.			•				\$5,04	5.00
Insurance paid on personal prope	erty	•	•		•		\$83	3.00
Loss in excess of insurance paid	•	•					\$1,18	8.00
Total insurance at risk						. \$	180,68	3.50
Assessed value of real estate at r	isk					. \$	204,69	0.00
Annual appropriation for Fire D	epartr	nent	•	•	•		\$24,00	0.00
Number of employees and memb	ers of	depa	rtmei	at				79
Number of hydrants								402
Population of city		•					. 20	,000
Area protected by Fire Departme	ent	•			. 20	squ	are m	iles.



ANNUAL REPORT

OF THE

CITY ENGINEER

FOR THE YEAR 1883.



BOSTON:
PRINTED BY RAND, AVERY, & COMPANY,
1884.



OFFICERS OF CONTROLLING BOARDS AND COMMITTEES.

Chief Executive Officer (ex officio).

HIS HONOR THE MAYOR, WILLIAM P. ELLISON.

Joint Standing Committee on Highways.

ALDERMAN DWIGHT CHESTER, Chairman.

Water Board.
EDWARD W. CATE, President.

Joint Standing Committee on Public Property.

ALDERMAN JAMES R. DEANE, Chairman.

Joint Standing Committee on Parks.

ALDERMAN JOHN Q. HENRY, Chairman.

Board of Health.

ALDERMAN JAMES R. DEANE, President.

Joint Special Committee on Sewerage.

ALDERMAN DWIGHT CHESTER, Chairman.

CITY ENGINEER'S DEPARTMENT.

City Engineer.
ALBERT F. NOYES.

Principal Assistant Engineer in Charge of Office, and Draughtsman. HENRY D. WOODS.

Principal Assistant Engineer in Charge of Field-Work. FRED. H. BARNES.

Assistant Engineers.

WILLIAM S. FRENCH.

I. W. HASTINGS.

Transitman and Leveller. WILLIAM P. MORSE.

Rodmen.

ARTHUR L. WOODRUFF.

STEPHEN CHILDS.

REPORT.

CITY ENGINEER'S OFFICE, CITY HALL,
WEST NEWTON, MASS., Dec. 31, 1883.

To the Honorable City Council.

General EMEN. In compliance with Section 5 of Ordinance

	00 11	Im Sec	: 6101	0.01	Ordina	nce
No. 9, I herewith respectfully	sub	mit the	e Ar	nual	Report	of
the City Engineer's Departmen	nt fo	or the y	rear	1883		
Amount appropriated for the y	ear	1883			\$6,000	00
Amount transferred from gene	eral	approp	riat	ion		
for highway widenings and	d in	proven	nent	s.	125	00
Amount transferred from gene	eral	approp	oriat	ion		
for public property .					125	00
Amount transferred from gene	eral	approp	riat	ion		
					125	00
Amount transferred from gene	eral	approp	riat	ion		
for parks		~ ~ ~			125	00
Total amount appropriat		~			\$6,500	
Total amount appropriat Total amount expended .		~			\$6,500 6,769	
Total amount expended .		~			6,769	50
~ ~ ~		~				50
Total amount expended . Amount overdrawn	•			•	\$269	50
Total amount expended .	•			•	\$269	50
Total amount expended . Amount overdrawn		EXPENI	DITU	JRES	\$269	50
Total amount expended . Amount overdrawn CLASSIFICATION O	o F E	EXPENI	DITU	JRES	\$269	50
Total amount expended . Amount overdrawn CLASSIFICATION O For salaries of city engineer, ass	o F F	Expeni	DITU	JRES	6,769 \$269	50 50 00
Total amount expended . Amount overdrawn CLASSIFICATION O For salaries of city engineer, assuman, and rodmen .	o F F	ints, dr	DITU	JRES	\$269 \$269 \$.	50 50 00 91

Amount brought forward	\$6,354	91
For care and keeping of horses and wagon .	232	52
For instruments and repairs	56	35
For horse-hire	56	75
For drawing-paper and other supplies	39	66
For repairing wagon and harness	29	31
Total amount	\$6,769	50
The item of salaries of city engineer and assi be divided as follows:— For defining street-lines; making surveys and maps for street-widenings, acceptance, and	stants n	nay
extension; office records; highway accounts; defining and establishing proposed grades of streets; surveys, plans, and estimates for proposed work on highways; and all work		
relating to highways	\$1,845	13
calculations, and all work relating to drains, For establishing lines and grades for the extension of water-pipes, locating and measuring service-pipes, designing and superintendence of work at the pumping station and filtering basin, and for all work relating to water-	157	47
works	883	95
Property	1,172	52
Amount carried forward	\$4,059	07

Amount brought forward	\$4,059	07
For defining the lines, making surveys and plans		
of Farlow Park and for the proposed Cen-		
tral Park; for the examination of the titles		
and boundaries of the various estates and		
lands included within said parks; for super-		
intending the laying-out and grading of Far-		
low Park; for attendance at the meetings of		
the committee and the hearings before the		
City Council; and for all other work under		
the direction of the Joint Standing Com-		
mittee on Parks	1,039	35
For plans, estimates, reports, inspection of plumb-		
ing, and for all work relating to the Board		
of Health	169	29
For copying land-plans at Registry of Deeds, and		
indexing the same	266	74
For making surveys and levels for plans, profiles,		
and estimates for the use of the City Soli-		
citor in suits for or against the city; for		
attending court, and all work relating to		
said suits	16	19
For all other miscellaneous work	287	36
Total amount	\$5,838	00

Surveys have been made of the whole or a part of thirtynine streets, covering a total length of seven miles and seventenths. One hundred and ten street plans and profiles have been made. Levels have been taken over the whole or a part of thirty-nine streets or brooks,—a total length of twelve miles. Lines have been established on fifty-two, and grades on fifty-five, streets.

The average number of assistants employed during the year was six; maximum number at any time, seven.

Plans and profiles have been made; lines and grades defined; the titles and boundaries of the estates abutting upon

the following-named streets have been examined; and said streets have been laid out and accepted by the City Council,—Bennington Street, from Centre Street westerly, 380 feet, 40 feet wide; Fairmont Avenue, from Centre to Claremont Streets, 1,120 feet, 40 feet wide; Turner Street, from Walnut Street to Central Avenue, 465 feet, 30 feet wide; Warren Street, from Glen Avenue easterly, 630 feet, 40 feet wide. Boylston Street, Ward Five, between Centre Street and Woodward Street, was relaid out 60 feet in width.

The highway and town papers have been classified, indexed, and filed in the large safe in the basement.

All actions of the Board of Aldermen relating to highways, drains, etc., have been indexed by streets, or under their respective heads, for reference.

Copies of all Newton (street, railroad, and land) plans on file at the Registry of Deeds and other county offices, and a complete index of the same, are being made.

The large amount of additional work required by the committees on Public Property and Parks, not being anticipated at the beginning of the year, was not provided for in making the appropriation for the department; which accounts for the additional appropriation made necessary.

Perambulation of Town and City Lines.

A special committee, consisting of Aldermen Chester and Henry, City Clerk I. F. Kingsbury, and the City Engineer, appointed to represent the Board of Aldermen, together with a committee of the Selectmen of the town of Waltham, on July 12, 1883, perambulated the line, and established anew the boundaries between said city and town according to law.

HIGHWAY DEPARTMENT.

HIGHWAY SURVEYORS AND JOINT STANDING COM-MITTEE ON HIGHWAYS.

ALDERMAN DWIGHT CHESTER, Chairman.

ALDERMAN JOHN Q. HENRY.

COUNCILMAN WILLIAM B. YOUNG.

COUNCILMAN AUSTIN R. MITCHELL.

COUNCILMAN JAMES H. NICKERSON.

EXECUTIVE OFFICERS.

Superintendent of Streets. WILLIAM E. FULLER.

Assistant Superintendents of Streets.

GEORGE E. STUART, Wards 1, 2, and 7.

JOHN J. WARE, Wards 4 and 5.

JOHN A. PECK, Ward 6.

City Engineer.
ALBERT F. NOYES.



HIGHWAYS.

The management of the highways, the ordinary repairs, the building or rebuilding of all streets, drains, culverts, sidewalks, etc., and the gravel lands, are under the general direction of the Joint Standing Committee on Highways, Streets and Ways, Sidewalks, Drains and Sewers, and the Highway Surveyors.

The Committee on Highways and the Superintendent of Streets have continued their policy of the past three years, of thorough work in whatever was undertaken, with equally satisfactory results.

Highways, General Repairs.

Amount appropriated by order of the City Council for highways, general repairs, for the year ending Jan. 1, 1884	\$55,000	00
Company	5,145	79
Amount transferred from appropriation for drains	,	
and culverts	2,000	00
Amount transferred from appropriation for	,	
gravel lands	800	00
Amount transferred from appropriation for land		
damages	800	00
Total appropriation	\$63,745	79
Amount expended as per Auditor's records .	63,003	47
Balance unexpended	\$742	32

The following table will show in detail the amount expended on each street for maintenance, as made up from the Superintendent's and Assistant Superintendent's records of

T.						_				
work: —										
Alpine	•		•	•		•	•	•	\$ 28	88
Arlington	•	•	•	•			•		74	53
Ash .	•	•	•	•		•	•		104	22
Auburn		•	•	•		•	•		417	11
Auburnda	le Av	enue	•	•	•	•	•	•	33	25
Baldwin	•	•	•	•	•	•	•		5	25
Beacon	•		•	•	•	•	•		2,788	54
Bellevue	•	•	•	•	•		•	•	119	25
Belmont	•			•	•	•	•		9	42
Bourne	•	•	•	•			•	•	121	58
Bowers	•			•	•	•	•	•	115	75
Boylston			•	•	•	•	•		21	50
Bridge					•		•	•	3	25
Brookline	•		•	•	•	•	•		75	00
Cabot			•				•	•	27	90
Cedar					•		*		504	59
Cemetery .	Aven	ne	•		•	•	•		36	50
Central A	venue	9		•				•	40	25
Central					•			•	70	29
Centre					•				3,153	33
Channing		•	•	•			•			88
Cheney						•	•	•	7	50
Cherry			•			•		•	92	75
Chestnut	•						•		161	65
Church									188	88
Cook .									1	75
Crafts	•							•	149	00
Cross					•		•	•	5	25
Cypress				•	•				419	59
Davis							• ,		3	50
Dedham									300	00

\$9,081 14

Amount carried forward

Amou	nt br	ought	forw	ard				٠	\$9,081	14
Dudley			•						75	00
Durant					. "				12	75
Eldridge						•			90	72
Elliot		•			•	•			278	11
Ellis .		•							21	50
Elm .			•						397	75
Elmwood					•				2,380	75
Fairmont A	Aven	ue		•					9	25
Farwell	•	•			•				47	25
Florence	•	•	•						6 9	75
Forest Av	enue	•				•			66	00
Fountain	•	•	•						127	12
Franklin		•							10	50
Fuller				•					92	90
Grant Ave	enue				•			•	365	70
Green		•					•		40	00
Greenough	ı			•			•		14	00
Greenwood	d					•	•		11	00
Grove		•	•	•					304	05
Hammond	•		•	•		•	•		67	50
Hancock				•	•				70	74
Harvard		•							13	50
Hawthorn	e Av	enue	•			•	•		56	66
Henshaw		•			•				9	33
									12	50
Highland .	Aven	iue		•					45	50
Highland				•	•				823	12
Hillside A	venu	e	•	•	•				41	37
Homer		•	•		•				667	55
Hovey					•				6	13
Hunter	•								7	88
Hyde		•	•	•					327	26
Ivanhoe							•		12	84
Jackson									39	42
Amou	nt car	rried	forwa	rd	•	•			\$15,696	54

Amour	nt bro	ught j	forwa	rd					\$15,696	54
Jefferson				•					223	25
Jewett	•			•					28	00
Kenilworth	1								12	83
Lake Aver	nue		•						195	98
Lander									4	38
Lexington		•	•						145	36
Linden				•			•		10	75
Maple (W	ard F	Cour)		•					17	50
Margin									28	01
Mechanic							• 1		10	75
Melrose					•			•	28	14
Mill .									495	41
Mount Ida					•				7.	00
Mount Ve	rnon	•	•	•		•		٠	177	00
Nahanton	•	•							75	00
Newtonvill			•			•	•		433	97
Newtonvill	le Sq	uare				•			186	69
Nonantum	Squa	are		•	•	•			12	25
Nonantum		•		•						25
Oak .	•		•	•	•	•	•	٠	21	
Otis .	•	•	•	•				٠	93	75
Park	•	•	•	•		•		٠		00
Parker	•	•			•			٠	369	
Parsons	•			•			•	•	291	
Pearl	•		•	•	•	•	•	•	140	25
Pelham	•		•	•	•	•		٠		25
Pembroke	•		•	•		•	•	•		30
Perkins	•	•	•	•			•	•	20	12
Prospect	•		•	•		•	•	•	39	75
Putnam		•	•	•	•	•	•			50
River		•			•	•		•	331	
Rowe	•	•	•	•	•		•	•	21	
St. James	•	•	•	•	•	•	•	٠		25
Sargent		•	•	•	•		•	•	35	00
Amour	nt car	ried j	forwa	rd	•		•	•	\$19,285	17









Amou	nt bre	ought	forwa	ard					\$19,285	17
Seaverns			•						64	56
Shaw	•						•	٠	15	00
South									92	25
Station	•	•							35	50
Sumner									280	96
Temple	•				۰,				27	13
Tremont			•						126	25
Turner			. ,					٠	17	39
Vernon			•						365	97
Vista Ave	nue						•		91	82
Waban Pa	rk			•				٠	47	37
Waban								۰	17	50
Walnut Pa	ırk								41	00
Walnut				•		•		٠	493	05
Waltham	•		•	•				٠	106	50
Ward				•				٠	32	88
Warren A	venue	Э	•						9	34
Washingto	n Pa	rk	•						28	00
Washingto	n								2,037	51
Watertown	1								186	90
Waverley .	Aven	ue							304	45
Webster P	ark			•					8	75
Webster							•		75	84
Wesley									1.0	50
Willow								٠	74	70
Wincheste	r				•				3	75
Winter					4		•		21	50
Winthrop									17	50
Wolcott				•					13	13
Woodbine									27	27
Woodland	Ave	nue			•				68	19
Woodward									19	08
Boston and	Alb	any l	R. R.	(labo	or and	mate	erial)		5,145	79
Amour	rt car	ried	forwa	rd					\$29,192	50

	Amount bro	ught.	forwa	rd	•				\$29,192	50
Cle	eaning crossin	ngs			•				146	94
Cle	eaning grates	and	manh	oles					117	64
Cle	eaning gutter	'S							2,551	77
Cle	aring brush		•	•	•	•			1 3	00
Cle	earing streets								3	50
Gra	avel-pits								6,073	60
Pat	tching streets	8							189	07
Par	ving around s	stand	-pipes	S					94	50
Pic	king stones								1,275	14
Rei	noving snow		•						6,313	01
Sta	ble-work		•						176	60
Ste	am roller		•		•	•	•		59	50
Str	eet-signs								81	39
Tu	rning water f	rom	street	S					3	50
Wa	ter departme	$_{ m ent}$	•	•	•			•	1	75
Wa	tering street	s	•	•	•	•	•		25	25
Mis	scellaneous	•	•		•				4	50
									\$46,323	16
	HIGHWA	υ τπ <i>ε</i> τ	זאיזר	MCC	A 707.70	TIMED	POVE	'T\/T	ENTITICS.	
									LIN I S.	
Am	ount approp								a a a a a	
	highway wi		0		~				\$10,000	
	ount expend						•		9,815	11
Am	ount charge									
	widenings a		-			-	audi	l-	0.504	00
	tor's record						•	•	9,794	89
Am	ount charged								10	7.5
A	ments on pu								18	15
Am	ount charged					drai:	ns and	al .	-	477
	culverts	•	•	•	•	•	•	•	1	47

The above amount has been expended on the following-named streets:—

Adams Street, Wards 1 and 2, near the corner of Washington Street:—		
For labor, etc., as per rolls \$428 56		
For building fences, and extending		
culvert, as per bills 173 83		
	\$602	39
Bowers Street, Ward 2, fence at the Methodist		
Church, as per bill	2	52
Central Street, Ward 4, Woodland Avenue west-		
erly to the end	799	66
Lake Avenue, Ward 5, near the estate of Moses		
G. Crane	351	42
Lake Avenue, Ward 6, at northerly end of Crys-		
tal Lake:—		
For labor, etc., as per rolls \$285 74		
For building wall, etc., as per bills . 301 94	507	60
Maple Street, Ward 4, Central Street to Wood-	587	00
land Avenue:—		
For labor, etc., as per rolls \$232 50		
For capping wall, etc., as per bills . 203 70		
Murray Street, Ward 2, Otis Street to Highland	436	20
Avenue:—		
For labor, etc., as per rolls \$1,581 48		
For material, fences, etc., as per		
bills 142 00		
	1,723	
Needham Street, Ward 5	10	50
Summer Street, Ward 5, Chestnut Street to High Street:—		
For labor, etc., as per rolls \$662 25		
For building fences, steps, etc., as		
per bills 79 09		
	741	34
Amount carried forward	\$5,255	19

Amount brought forward	\$5,255	19
Sumner Street, Ward 6, near estate of Dr. Alvah	, ,	
Hovey:—		
For labor, etc., as per rolls \$10 88		
For concrete, etc., as per bills . 82 73		
	93	61
Walnut Street, Ward 2, near Watertown Street,		
on estate of George W. Gould	40	13
Ward Street, Ward 6, Sumner Street to Grant		
Avenue:—		
For labor, etc., as per rolls \$1,979 01		
For material, etc., as per bills 137 27		
	2,116	28
Miscellaneous	127	67
Portable crusher and engine	2,182	23
	\$9,815	11
CURBING.		
Amount appropriated by order of the City Coun-		
cil for curbing, for the year 1883	\$1,500	00
Amount expended	1,553	24
Amount charged to appropriation for curbing .	1,500	00
Amount charged to appropriation for highways,		
general repairs	53	24

The following table shows the number of linear feet, kind and cost of curbing, which has been laid:—

Curbing laid in 1883.

Street.	WARD.	LINEAR FEET STRAIGHT CURBING.	LINEAR FEET CURVED CURBING.	TOTAL LENGTH OF CURBING.	Cost.
Adams Auburn Bowers Centre Elmwood Grove Highland (unloading) Maple Mount Vernon Newtonville Square Vernon Washington Miscellaneous (unloading) Stock	2 4 2 7 7 4 3 4 3 2 7 3 -	377.92 181.42 27.00 593 50 - - 178.70 63.00 17.50 - 181.00	48.33 8.50 22.00 23.60 - 8.50 6.30 69.80 - 13.33 - 66.22	203.42 617.10 - 8 50 185.00 132.80 17.50 13.33	\$338 80 10 47 136 83 33 95 537 00 4 75 3 08 10 48 137 28 116 94 9 15 69 39 4 37 140 75

SIDEWALKS.

Amount appropriated by order of the City Council for sidewalks for the year 1883 Amount transferred from receipts for work per-	\$6,000	00
formed for Boston and Albany R.R. Co	261	30
Total amount of appropriation	\$6,261	30
Amount charged to appropriation for sidewalks.	6,300	65
Amount overdrawn	39	35
Amount charged to appropriation for drains and		
culverts	23	00
Amount charged to appropriation for highways,		
general repairs	655	61
Total amount expended		26
The cost of laying and repairing street-crossings	is charg	ged
to the appropriation for highways, general repairs	_	

The following table shows the number of square yards of concrete sidewalk and street-crossings laid and repaired, and the cost of all gravel and concrete sidewalks.

\$	KEMARKS.	Part gravel.	Gravel.	Laid in 1882.		Gravel.	Partly laid in 1882.	•	Gravel.	Gravel.	Gravel.	Gravel.	Partly laid in 1882.	Part gravel; part brick.)		Laid in 1882.		Gravel.	Gravel.	Partly laid in 1882.	Gravel.	Gravel.	Gravel.
COST OF	CONCRETE WALKS.	#335 15	21 21	21 90	171 68	14 08	101 51				5 50	10 50				32 27	48 65		3 75	87 50	298 33	10 50		14 08
	CROSSINGS, REPAIRS.	1	ı	1	ı	1	1	1	1	ı	1		1	70.40	22.61	9.00	ı	00.6	1	1	1	1	ı	1
SQUARE YARDS OF CONCRETE.	CROSSINGS, NEW.	ı	1	1	ı	1	1	ı	ı	ı	1	1	53.67	87.96	1	64.00	1	41.31	1	1	135.87	ı	1	1
QUARE YARDS	SIDEWALKS, REPAIRS.	ı	ı	ı	ı	I	ı	1	ı	ı	ı	1	1	178.47	263.47	ı	269.69	ı	ı	ı	76.72	ı	ı	1
ΔŽ	SIDEWALKS, NEW.	390.08	1	79.65	209.54	1	339.11	10.34	1	ı	ı	1	1.297.18	202.51	49.69	53.79	20.00	7.39	. 1	1	543.85	ı	ı	ı
	WARD.	6	1 4	1 4		70	C)	1	ଷ	-	1	67	1 41	1, 6, 7	`က `	1	· 01	7	10	ಾ	2	1	- or	, ro
	STREET.	Adams	Aspen Avenue	Amburn	Bellevile	Bowdoin	Bowers	Brook	Cabot	California	Carleton	Central Avenue	Central	Centire	Cherry	Church	Crafts	Eldridge	Ellis	Elm	Elmwood.	Financon	Forest Avenue	Forest.

Part gravel.	Laid in 1882.	Part gravel.	Part gravel; part plank.	Gravel.	[1882.	Part gravel; partly laid in		Gravel.		Part gravel.)	Gravel.	Part gravel.	Gravel.	Part gravel.	Gravel.			Gravel.	Gravel.	Laid in 1882.	Gravel.	Gravel.			Gravel.	Gravel.		
154 54					60 29		1	37 00	1 13	199 00	448 47	17 50	90 99	2 00	280 12	35 50	1	127 52	1 75								00 99	141.46 \$4,681 85	
1	1	1	1	1	1	ı	1	1	1	ı	ı	ı	1	1	ı	1	30.45	ı	1	ı	1	ı	1	1	ı	1	ı	141.46	
1	1	1	ı	1	ı	1	14.53	1	4.40	1	1	ı	1	1	ı	1	4.63	1	1	1.	. 1	37.70	1	46.25	1	1	1	490.35	
583.94	1	1	ı	1	116.08	ı	1	1	1	1	ı	ı	ı	ı	ı	ı	1	ı	ı	1	ı	ı	1	1	1	1	1	1,488.37	
2.54	90.40	36.14	ı	1	18.37	70.95	1	ı	1.89	627.69	329.71	ı	48.53	1	196.86	1	ı	37.12	ı	ı	250.31	ı	1	1.60	132.81	1	1	4,478.05	
7	9	4	9	4	ಬ	c1	ಎ	03	က	9	2	~	5,0	.ന	က	C1	-	C 7	<u></u>	_	9	П	2	2	9	က	က	•	
Franklin	Glen Avenue	Grove	Hammond	Hancock	Hartford	Harvard	High	Highland Avenue	Highland	Homer	Jefferson	Kenrick	Lake Avenue	Margin	Mount Vernon	Murray	Newtonville Avenue.	Newtonville Square .	Nonantum Place	Nonantum	Norwood Avenue	Pearl	Pembroke	Pettee	Pleasant	Prospect	River	Am'ts carried forward	

ı	REMARKS.	Gravel. Gravel. Laid in 1882. Gravel. Gravel. Part gravel; partly laid in Gravel. Gravel. Gravel. Gravel. Gravel.	
COST OF	CONCRETE WALKS.	\$4,681 85 375 07 85 13 108 08 113 64 26 25 18 03 279 43 379 43 379 43 191 25 252 50 101 88 253 37 14 75 14 75 14 75 15 35 16 35 17 35 18 3	\$6,979 26
*8	CROSSINGS, REPAIRS.	141.46	434.85
SQUARE YARDS OF CONCRETE.	CROSSINGS, NEW.	490.32 	842.54
QUARE YARDS	SIDEWALKS, REPAIRS.	1,488.37	1,813.45
ď	SIDEWALKS, NEW.	4,478.05 889.74 - 214.25 211.51 30.00 - 102.04 - 282.56 60.02 193.76 62.43	6,524.36
	WARD.	. 6,7 2,5 1,2,3,4,7 1,2,3,4,7 1,2,3,4,7 1,2,3,4,7	
	STREET.	Am'ts brought forward Sargent Seaverns Station Summer Summer Turner Vernon Vista Avenue Waltham Ward Ward Washington Waserley Avenue Wesley William William William Willier Willier Willier Willier	

SUMMARY OF EXPENSES CHARGED TO THE APPROPRIATION FOR HIGHWAYS, GENERAL REPAIRS.

For maintenance, as per superintendent's records		
of work	\$46,323	16
For curbing, in excess of appropriation	53	24
For concrete and gravel sidewalks, in excess of		
appropriation	655	61
For miscellaneous expenses, as per sundry bills		
in auditor's report	15,971	46
		—
Total amount expended	\$63,003	47

An order recently passed the City Council for the purchase of a portable stone-crusher and engine, and the sale or exchange of the engine and crusher at the Pine-street gravelpit. Contracts have been made with the Farrel Foundry and Machine Company of Ansonia, Conn., for a 9-inch by 15-inch Marsden and Farrel portable crusher; and with John H. Houghton of Boston, for the delivery of a Lidgerwood portable hoisting and pulley engine, with 7-inch by 9-inch double cylinders, and 40-inch by 83-inch vertical boiler, with house-fixtures and every thing complete. These are intended for crushing stone at points in the city where stone can be easily collected, and where no crusher is at present located.

The policy of the town and city governments for the past twelve or fourteen years has been to encourage the laying of concrete (coal-tar and pitch-mastic) sidewalks; so that now there is a considerable mileage of concrete sidewalks laid. With no special repairs, the life of a concrete sidewalk, if unaffected by causes other than wear, has been, in this city, from six to ten or more years.

The causes for the destruction of concrete are, legitimate wear, the upheaval or breaking by the frost or the growth of roots of trees, the settlement of poor foundations, and drainage; and the greater cause by far, which is usually

assigned to wear, is the loss of the volatile oils which it contains, leaving the surface rough and brittle, to be the more readily affected by ordinary wear. The cost of these renewals, without special repairs, at the present price of laying the concrete, is from six to ten cents per year; the probable average with the best of work being about eight cents. After laying one or two years, the surface becomes slightly rough, and it is found that a thin coating of sand and tar, or pitch, if applied at this time (at a cost of about six cents per square yard), restores the smooth, pliable surface, and will last for two or three years longer, without necessity for renewal. If the sidewalk is left for four or more years, it can usually be restored by a skim-coating of fine gravel and tar, or pitch, at a cost of about thirty-five cents per square yard. It will be observed that the cost of maintaining sidewalks, without any special repairs, is about eight cents per square yard, besides the discomfort of travelling for four or more years over rough sidewalks; with occasional repairs and skimcoating, and allowing for breaks from outside causes, about the same amount as above, and perhaps one or two years' travel over a rough sidewalk; with constant repairs, as above described, and allowing for breaks from outside causes, the cost is about four or five cents per square yard. The question of economic maintenance of these sidewalks has become a serious one; and there are now miles of sidewalk needing immediate attention in order to remain safe and convenient for travel. I would therefore recommend, in view of its economy and comfort, that constant repairs be made as above described.

DRAINS AND CULVERTS.

Amount appropriated by order of the City Council for the construction of new, and the		
cleaning out and repairing of old drains, culverts, and catch-basins	\$14,000 0	0
Amount expended \$11,929 66		
Amount transferred to highways,		
general repairs 2,000 00		
	13,929 6	6
		-
Unexpended balance	\$70 3	4
The following table shows the length of each	kind, siz	е
and cost of drains constructed during the year	e, and th	е

streets in which the same are laid: -

Drains constructed in 1883.

1-																					
	Location.	At corner of Washington Street.	Creenough Street to Rowe Street	Walnut Street to Depot.	Near Elmwood Street.	Near Fern Street	Near Boston and Albany R.R.			Near Elmwood Street.	Near River Street.	Brook Street to Eldridge Street.	At Angle.	Near Lincoln Park		Corner of Newtonville Avenue.	Near Highland Avenue.	Mount Ida Street, westerly.	Corner of Tremont Street.	Near Cheese-cake Brook	Laundry Brook to Eliot School.
	COST.	\$63 07	708 62				171 43	30	370 06	508 64	92 84	1,954 98	101 59		106 02		427 15	994 37	76 34	7 35	926 05
	FEET OF SIZE OF INLETS. INLETS.	ı	ı	ı	∞	1	1	1	œ	1	1	တ တ	00	1	ı	ı	00	10) 1	ı	∞
		1	ı	1	œ	1	1	ı	120	1	1	50	35	1	1	ı	30	14	1	ı	62
	CATCE- BASINS.	J	7	67	1	-	03	ı	က	ı	2	4	ı	ı	-	1	က	1	ı	ı	5
	MAN- HOLES.	I	I	1	1	1	1	1	ı	1	1	1	1	ı	1	1	1	ı	ı	ı	1
	FEET OF DRAIN.	26	1	1	$99\frac{1}{2}$	45	130	2 4 4] 35.0 33	$37\frac{1}{3}$	210^{-}	174	20	$57\frac{1}{2}$	135°	1	401	1,056 44	69	49	825
	Size, in Inches.	10	> r⊍ ∠	# 9	36 by 36	15	∞	9 ;	- 15 - 61	36 by 36	œ	36 by 36	12	18	12	ı	15	15	10.5	2 9	12
	STREET.	Adams	Auburn	· · · · · · · · · · · · · · · · · · ·		· · ·	Centre	Chapel	Church	dge · · · ·		Elmwood }	Gardner	Margin	Mechanic	Mount Ida	Murray	Newtonville Avenue {	Park	Parsons	Pearl

Cheese-cake Brook to near Temple Street.	Near Pine Street. At Lexington Street. At Boston and Albany R.R. Near Turner Street. Near Crafts Street.	
794 07	88 00 19 39 52 82 41 51 36 92	\$8,720 36
10 8 6	11111	
26 60 72		529
∞	- 1	43
ı	1 1 1 1 1	2
595	$\begin{array}{c} 108 \\ 26 \\ 60 \\ 30 \\ 101 \\ \frac{1}{4} \end{array}$	4,643
15	00 88 9	
\sim		
•		
•		
Prospect	River . Seaverns . Walnut . Walnut . Walnut .	

CULVERTS AND CATCH-BASINS.

The following tables show the lengths, size, and cost of the culverts or catch-basins constructed or reconstructed during the year, and the name of the street in or under which they are laid.

Culverts constructed and reconstructed in 1883.

REMARKS.	Extension. Repaired. Repaired. Repaired. Repaired. Repaired. Repaired. Repaired, Repaired, Repaired, Repaired, Repaired, Repaired, Repaired, Repaired, Repaired,	
LOCATION.	Laundry Brook. Under Driveway. Near Harvard Street Near Cheese-cake Brook. Corner of Putnam Street. Corner of Park Street. Near Adams Street. Near Adams Street. Near Eden Avenue. Near Eden Avenue. Near Chandler Street. Under Driveways.	
Cost.	\$37 50 5 074 5 074 1 75 00 1 75 0 1 7 50 1 9 57 1 8 50 1 10 75 2 8 13	\$170 59
LENGTH, IN FEET.	1 co	
Size, in Inches.	10111111111	
STREET.	Adams Bellevue Cabot Cabot Crafts Margin Park Vernon Washington Watertown Watertown Watertown Watertey Winchester	

Catch-Basins constructed and reconstructed in 1883.

STREET.	Lосатіом.	Cosr.	REMARKS.
Centre Centre Centre Centre Hammond Highland Highland Homer Lake Avenue Maple (Ward 4) Parker Pettee Rowe Station Walnut Park Warren Washington	Near Public Library Near Wesley Street At Newton Centre Near Boston and Albany R R. Near Pettee Street Corner of Margin Street Corner of Auburn Street Near High Street Near High Street Near Hoston and Albany R.R. Near Hoston and Albany R.R. Near Greenwood Avenue Near Greenwood Avenue Near Adams Street Ward 3 Ward 4 Repairs	\$3 3 5 7 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	New covers. Rebuilt Covers changed. Covers changed. Covers changed. Two new catch-basins. Rebuilt. Repairs.
		\$793 90	

Miscellaneous Expenses for 1883.

-		
Arlington Street, 2 Concord grates	\$14	70
Boyd-street ledge, excavating rock	160	00
Boylston Street, repairs on Bridge over Charles		
River	162	47
Bridge Street, arch rebuilt, and bridge repaired,		
over Charles River	568	96
Cement, $9\frac{1}{2}$ barrels	15	20
Cheese-cake Brook, cleaning out and repairs .	44	00
Cleaning catch-basins and culverts	741	50
Covering-stone, 272\frac{3}{4} feet of 3-feet . 41 22		
Covering stone 332 feet of 4-feet)		
Covering-stone, 26 feet of 6-feet \ \ \frac{20 63}{20 63}	61	85
Elliot Street, labor	7	12
Elmwood Street, bricks (used for sidewalks) .	23	00
Farlow Park, cement	1	47
Jefferson Street, cement (used for wall, general		
repairs)	17	87
Linwood-avenue drain, cleaning out	24	75
Murray-street Brook, cleaning out	30	13
Newtonville drain, cleaning out and repairs .	60	38
Removing covering-stones		69
Shaw Street		25
Station Street	8	50
Stock on hand:—		
1,115 bricks \$12 27		
half-barrel cement		
15 feet of 12-inch cement pipe . 5 85		
599 feet of 3-feet covering-stone . 75 90		
771 feet of spruce lumber 13 11		
	107	87
Summer Street, cement (used for widenings) .	1	
Tremont Street, covering-stone (used around		
stand-pipe)	4	08
Amount carried forward	\$2,102	63
•		

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
Amount brought forward \$2,102 6										
Walnut Street, at gristmill, fence 17 0										
Washington Street, labor	0									
Washington Street, covering-stone (used around										
stand-pipe)	7									
Washington Street, repairs on bridge over										
Charles River 34 8	1									
Watertown Street, Cate's stable, cement-pipe . 12 3										
Waverley Avenue, building fence around drain										
at the ash-dump	0									
Sundries	9									
\$2,244 8	1									
Summary of Expenses.	•									
	C									
Drains constructed										
Culverts constructed or reconstructed 170 5										
Catch-basins constructed or reconstructed										
Miscellaneous expenses 2,244 8	1									
That-1 911 000 C	<u> </u>									
Total										
Of the above amount expended, \$23 should have been										
charged to sidewalks, \$1.47 to parks, \$1.47 to highways,										
widenings and improvements, and \$24.22 to highways, gen-										
eral repairs.										
ASHES.										
The collection of ashes is made by the highway depart	j-									
ment, under the direction of the highway surveyors.										
Amount appropriated by order of the City Coun-										
cil for the collection of ashes for the year										
ending Jan. 1, 1884 \$3,000 00	0									
Amount expended										
Timount expended	_									
Balance unexpended \$734 40	0									

The following table will show the cost of the collection of ashes for each ward, and the day of the week on which the collection is made:—









Wards 1 and 7, Thui	sday						\$722	52		
Ward 2, Friday.							255	94		
Ward 3, Saturday							254	81		
Ward 4, Monday					•		252	44		
Ward 5, Tuesday							251	94		
Ward 6, Wednesday							255	19		
v										
Cost of labor, as per superintendent's record of										
work							\$1,992	81		
For miscellaneous expenses, as per sundry bills										
in auditor's repo	*		-		v		272	76		
*										
Total amount	expe	nded					\$2,265	60		



WATER DEPARTMENT.

WATER BOARD.

EDWARD W. CATE, President.

Members at Large.

FRANCIS J. PARKER.

FRANCIS A. DEWSON.

Representatives of the City Council.

ALDERMAN J. WESLEY KIMBALL.

COUNCILMAN FRED. W. FREEMAN.

EXECUTIVE OFFICERS OF THE WATER BOARD.

Clerk and Water Registrar.

ALBERT S. GLOVER.

Superintendent.
H. N. HYDE, Jun.

Inspector.

J. CLIFTON WHITNEY.

City Engineer.

ALBERT F. NOYES.



WATER DEPARTMENT.

In connection with the Water Department, there have been located one hundred and seventy services and extensions laid during the year. Lines and grades for the laying of water-mains have been established on twenty-nine streets, and all special castings have been located, and the regular meetings of the Water Board attended.

PUMPING-STATION.

The setting of the pumps and engines upon the new foundations, begun in 1882, was completed early in the year; and the smooth and even working of the pumps attests the solidity of the foundations. A new twenty-four inch force main, with check-valve and gate, was laid from the pumps in their new position to the Y in the yard.

The small feed-pump was lowered, and a large cast-iron reservoir made for the more perfect heating of the feed-water.

Feeling that there might still be cavities beneath the planking of the pump-well, borings were made with a quarter-inch bell-hanger's auger, which showed that spaces existed under nearly the whole bottom of the well, varying in depth from nothing to ten or more inches. It was therefore decided to inject cement-grout under the plank in order to make every thing as solid as possible. The well was 29 feet 9 inches long by 9 feet 10 inches wide, and about 14 feet deep, with a screen and gate-chamber 5 feet 4 inches by 4 feet 6 inches, of the same depth as the main well.

As the water-pressure against the bottom of the well, when

empty, was equal to ten feet of head, it was necessary to bore through the planking under a head equal to that in the ground outside. Cast-iron flanges were made fast to the plank bottom by lag-screws. A length of three-inch pipe twelve feet long was screwed into the flange. The pipe was filled with water, and the plank bored with a long-handled auger. To insure the perfect filling of all cavities, four of these three-inch pipes were placed equidistant from each other through the centre of the well, and ten two-inch pipes, used merely for vents, were placed on the extreme sides and corners of the well. The main three-inch pipes were carried to the level of the engine-room floor by the addition of a length of pipe to each; and the cement-grout poured from this floor had a head or pressure equal to thirteen feet.

The grout used was of clear Portland cement (Lion brand) mixed to a consistency of thick cream. The mixing-boxes were two in number, five feet long, four feet wide, and one foot deep, placed side by side, and each divided into two sections by a partition in the middle. Each side of the partition was a two and a half inch hole, with a wooden plug. On the under side was fastened a galvanized iron chute to the cement towards a galvanized iron funnel, which was set on the top of the pipe. The mixing of the grout in each section of the boxes was continuous, so that a steady stream was running into the pipe from the commencement of the work to the finish.

The pouring was commenced upon a pipe at the extreme end of the well, and the thoroughness of the work was shown by the water gradually rising in each of the other pipes, and finally filling each with solid cement. Sixteen and a half barrels of cement were thus used; but I estimate about one and a half barrels as wasted in the several pipes and in the overflow. I therefore estimate that about fifteen barrels were actually injected. Further borings showed that the cement extended at least six or eight feet beyond any of the vent-pipes, and how much farther it may have extended I have no means of knowing.

The work upon the foundations of the large pumps showed that the walls of the pump-well were badly cracked and broken by the various settlements. It was decided to grade up the bottom so that it would pitch towards the gate, to lay a four-inch brick invert in the bottom, to line each wall with eight inches of brick-work, and to construct three additional cross-walls, — one twenty inches thick, and two twelve inches thick, one on each side of the suction-pipe.

The contract for performing this work was awarded to H. Bellamy, W. A. Fogwill, and J. Foster.

About nine inches of concrete were required at the north end of the well, running to nothing in the centre, in order to bring the bottom to a level. In order to obtain sufficient depth of water under the foot-valve of the large pump, the south half of the well was shaped up with concrete instead of brick. It was intended to calk all of the leaks in the old wall before laying the brick-work; but the old wall was found to be so weak and rotten that the calking of a large leak would cause a large number of small ones to burst forth. For this reason, the calking was abandoned, and chasings cut in the wall to carry the water away from the new work as much as possible.

Portland cement was used in all the concrete, in laying the brick invert, the lower part of the walls, the three courses in the arches of the cross-walls, the tying-in of the cross-walls, and the whole north half of the well up to the top. The remainder of the work was laid in Rosendale cement.

In the north-west corner of the well the largest leak was allowed to run through a pipe until all the work was completed, when the pipe was capped. The well was made perfectly tight, and no leaks have since been discovered; showing that the work was well performed.

As the changing of the screens in the screen-chamber allowed considerable floatage to pass through, a fixed screen, extending the full width of the well, was put in place between the suction and gate. In order to clean this screen, the water is first pumped out of the well, and the screen thoroughly washed with water from a hose: the washings are then removed in pails. For convenience in entering the well, two sets of stepping irons were placed in the walls.

A new foundation was laid beneath the Worthington auxiliary pumps and engine, and the base lowered to a level with the basement-floor, thus reducing the suction-lift about eight feet. The contract for putting in the new foundations, repairing the cellar-floors, patching the walls, building of piers for floor-posts, feed-pump, hot-well, oiler, etc., was awarded to Arthur Muldoon of Newton Centre.

The old foundations were torn down, and the bricks cleaned. In excavating for the new foundation, two-inch sheathing was used. The excavation for the first three feet was mostly quicksand and meadow-muck, after which gravel was entered, which became coarser as the excavation progressed. The excavation was carried eight feet below the basement-floor. Three feet of Rosendale cement-concrete, mixed in proportional parts of one, two, and five, was filled in for the full size of the sheathing, which was 12 feet 6 inches long, and 6 feet 8 inches wide. Upon this, 2 feet 3 inches of brick-work was built, also of the full size of the sheathing. Then the brick-work was drawn in to the size of the bed of the engine, and carried up to the level of the basement-floor.

New maple and cherry floors were laid in the engine-room, and the pump and pipes were painted and gold-striped.

The three boilers were reset, the furnaces relined, and the flues to the chimney changed, so as to pass over and between each boiler, instead of directly over, as before.

FILTERING-BASIN.

The repeated ebb and flow of the water in the filteringbasin, from each successive pumping, had caused a large quantity of the fine silt or sand to be washed from the slopes into the bottom, thus silting it so as to prevent as large an inflow of water as would otherwise have been obtained. With this condition of things, there was every indication that there would be a shortage of water from the basin during the summer.

It was accordingly decided to give the basin a thorough cleaning. As but a week or ten days' supply could be stored in the reservoir, the basin could not be spared for a greater length of time. It was decided to separate it into two parts by building a coffer-dam across the centre, and clean one-half at a time. This dam was designed and built by John Harris of Boston. Three six-inch pumps were used for draining the part to be cleaned. The reservoir was filled to its fullest capacity, the water pumped out of the lower half of the basin, and a large force of men set at work with wheelbarrows and shovels for the removal of the silt. The immediate charge of the work of removal was given to Richard Adams, foreman of pipe-laying. The thoroughness of his work, and the economy of its removal, attest his efficiency.

In the construction of the dam, the foreman, not anticipating so rapid filling of the basin, placed, instead of drove, the upper end sheathing-planks on the river-side of the basin. During the afternoon and night before the completion of the cleaning of the lower part of the basin, a heavy rain and wind so washed the banks as to cause the water to get under a portion of the dam at the point where the planks were placed. This somewhat delayed the work, the cost of which was offset by the contractor for the dam.

From one to three or more feet of silt was removed by the cleaning of the basin. The growth of algae appears to be more abundant and rapid, and the labor of keeping the same removed is constantly increasing.



PUBLIC PROPERTY.

JOINT STANDING COMMITTEE ON PUBLIC PROPERTY AND BURIAL-GROUNDS.

ALDERMAN JAMES R. DEANE, Chairman.

ALDERMAN HENRY E. COBB.

COUNCILMAN AUSTIN R. MITCHELL.

COUNCILMAN EDWARD H. MASON.

COUNCILMAN SAMUEL L. POWERS.



PUBLIC PROPERTY.

Under the direction of the Joint Standing Committee on Public Property and Burial-Grounds, the work upon the sanitary improvements of the Classin schoolhouse were completed (for a description of the work see City Engineer's Report for 1882). The sanitary arrangements of the outbuildings have proved highly satisfactory.

While the arrangement for the ventilation of the schoolrooms has been attended with excellent results, the arrangement of the furnaces has not been as satisfactory as anticipated. The large radiating surface provided for the heating
and ventilating of the building during excessive cold weather
cannot be, or is not, as easily controlled as was hoped; so that
the heat is at times in excess of that which is needed. But
care and judicious management can undoubtedly attain better
results. Observations made by the teachers in each room
each day during the month of February showed an evenness
of temperature throughout the room unequalled in any other
school visited. The consumption of coal by this arrangement will undoubtedly be larger than that by a judicious
arrangement of steam-radiators in indirect coils.

Should another building be erected upon the Claffin-school lot, I would respectfully recommend that both buildings be then heated by steam.

Early in the year, the sanitary condition of our school-houses engaged the attention of the City Council, and the Special Committee of the previous year (consisting of the Joint Standing Committee on Public Property and Burial-

Grounds; Edmund W. Converse, Fisher Ames, Lincoln R. Stone, Charles H. Stone, and Isaac Hagar, on the part of the School Committee; the Health Officer and the City Engineer), which had been appointed to examine into the sanitary condition of the schoolhouses, and the necessity for additional school accommodations.

This committee held several meetings, and appointed two sub-committees,—one consisting of the members of the School Committee, to consider the necessity for additional school accommodations; and the other consisting of the City Engineer, Isaac Hagar of the School Committee, and Councilman Austin R. Mitchell of the Committee on Public Property, to consider the subject of heating and ventilating the school-buildings, the sanitary condition of the outbuildings, the various repairs and alterations necessary, and to examine the condition of the furnaces. For the result of the examinations of these committees, I would respectfully refer you to their report made to the City Council, March 26, 1883.

As a result of this report, a special appropriation of \$17,500 was made for heating, ventilating, repairing, and improving the sanitary condition of the school-buildings; of \$16,000 for erecting a new four-room school-building at Nonantum; and of \$31,000 for erecting a new eight-room building at Auburndale. Several meetings of the Committee on Public Property, local members of the School Committee, and the City Engineer, were held to examine and accept plans for the proposed new buildings. The plans of J. Foster Ober, architect, were accepted for the eight-room building, and of George F. Meacham, architect, for the four-room building. Surveys were made and grades given for the foundations of these buildings by this department.

Plans, specifications, and contracts were made, and their execution superintended, for the following work:—

On May 11, 1883, a contract was made with John Foster and John Marden for the sum of \$125 for excavating a portion of the cellar of the Public-library building, and concreting the sides and bottom. The head-room under the floor-joists

was only 31 to 41 feet, the general level of the cellar being about 3 feet below the floor-girders. An area 11 by 24 feet, and a passage to the front cellar 5 feet wide, were excavated, and the floor covered with 4 inches of concrete, giving 8 feet of head-room at the furnace, and 6 feet under the floorjoists in the passage. The sides of this excavation were protected by a concrete wall 12 to 18 inches thick all along the outside edge, against the foundation-wall of the building, with a footing of concrete 12 inches thick and 24 inches wide. This wall was run up 30 inches, made of concrete rammed in tightly behind a plank framework. The concrete used was mixed in the proportion, 1 part Rosendale cement, 2 parts clean sand, and 5 parts screened gravel. The work necessitated the removal of four of the brick piers supporting the floor-joists. These were rebuilt from the new bottom with a foundation of 18 inches of ledge-stone, and were well wedged up under the floor-timbers, the whole being laid in cement-mortar. A new No. 10 Chilson furnace with a brick casing was put in place of the old one. The total cost of the work and furnace was \$372.84, the city furnishing the cement for the concrete.

On May 17, 1883, a contract was made with F. H. Humphrey for \$115 for putting up a ventilating-shaft for the outbuildings of the Williams schoolhouse. A 12-inch galvanized-iron pipe was run over the ceiling of the building, with 3-inch branches running to each seat, and an 8-inch branch with hood over the urinals. This pipe ended in a galvanized iron box 3 by 2 by 1½ feet, connected to a 12-inch pipe run up outside of the main building, and terminated by a globe-ventilator above the roof. This last pipe, from roof of outbuilding to the coping of the main building, is sheathed in, and painted to match building. The box at the foot of this pipe is fitted with a double-wick, Golden Star kerosene-stove with heating-drum, to furnish a draught in the whole system of pipes. The total cost of the work was \$127.

On June 14, 1883, a contract was made with T. J. Hartnett for \$258 for fitting up a bath-room at Hose House No. 5,

Auburndale. A room on the north side, lighted by a skylight near the tower, was appropriated for the purpose. skylight was raised about 6 inches, so as to admit a flap-ventilator to be set in the side of it, and the sash arranged to open with a cord and pulleys. A 40-gallon supply-tank was set up in the closet, and connected with the main house-supply. The fixtures in the bath-room consist of a tinned, planished copper bath-tub 51 feet long, a 14-inch porcelain basin set in a marble slab, a porcelain water-closet with an enamelled Worcester ventilated hopper, and a 12-gallon supply-tank to water-closet; 40 feet of 2-inch wrought-iron pipe was also used as a radiator. The bath-tub and basin were fitted with hot and cold water fixtures. A 40-gallon copper boiler was set in a closet on the first floor, just below the bath-room. This boiler was sheathed in, up to and through the ceiling, to a register in the bath-room floor; a register was also placed at the floor-level on the first floor. By this means, air is supplied to the bath-room, heated by contact with the boiler. Hot water is obtained by an inch-pipe coil set in furnace in cellar, connected to boiler and tank. The coil in the bathroom is connected with the hot-water circulation for winter heating: in summer it can and should be disconnected, and all water drawn off. The soil-pipe was continued from the stable-wall up through the roof, to receive all wastes. All traps were ventilated, and a 2-inch vent pipe run through the roof. The amount of the contract covered the whole cost of the work.

The work upon the bath-room of Hose House No. 6 at Newton Lower Falls was inspected, and, so far as the erection of the soil-pipe was concerned, was made satisfactory by the contractor.

As a result of the work of the Special Committee on the Sanitary Condition of the Schoolhouses, plans were made for altering over and rebuilding the outbuildings of the Hyde, two Prospect, and Jackson schoolhouses; which alterations were made as follows:—

A contract was made with Isaac Smith and Daniel Hur-

ley, amounting to \$2,187, for rebuilding the outbuilding at the old Prospect School, altering that at the new Prospect School, and making divers repairs in both buildings. This contract was extended so as to include a new passageway from the outbuilding to the main building, new hard-pine outside steps to main building, and new rain-water conductors to main building; so that the total amount of the contract was \$2,546. The old outbuilding to the old school was removed, and replaced by a building 17 feet by 17 feet 4 inches, fitted with slate urinals and Mott's cast-iron trough water-closet.

The old vault was removed and filled up, and a brick cesspool built outside, and connected to urinals and troughs. The inside of the building was finished in pine sheathing, shellacked, with hard-pine floors except around urinals, where a cement-concrete floor was laid. On the boys' side five slate urinals were put up, flushed by a brass perforated pipe; also three closets. On the girls' side are five closets. The roof over the passages on either side is dropped a foot or so below the central roof, thus allowing hinged windows to each closet, giving a chance for direct ventilation through the closets, as the doors are set six inches above the floor, and are only five feet high. Further ventilation from troughs and urinals is obtained by a 10-inch ventilation-shaft run up at the rear of the main building, with a heater-box at the foot similar to that at the Williams School.

The outbuilding at the new Prospect School contained four double closets on the girls' side; and on the boys' side there were eight seats, a teachers' closet, and ten plank urinals: these were all removed. Two sets of three slate urinals, with a cement-concrete floor, also four closets, were put in on the boys' side, and six closets on the girls' side, with troughs. The old vault was cleaned and refilled, and a soil-pipe was run to a brick cesspool outside of the building. The ventilation is arranged the same as at the old school-building.

The overflows from the cesspools built at both school-houses, and at the hose house above, were brought into a

larger tank, from which an automatic siphon delivers all the liquid into a 5-inch drain leading to the lawn in front of the new schoolhouse, where it is distributed under the surface through 2-inch tiles laid from 8 to 12 inches below the surface. The surplus, if any should occur in winter, is taken to a long, dry well at the foot of the lawn. All this drainage-work was put in by day labor, owing to the presence of rock so near the surface in many places, which necessitated frequent changes of plan as the work progressed.

Inside of the old schoolhouse two wash-stands and fittings were placed in the schoolrooms on the first floor. New hard-pine steps, and new rain-water conductors, were put up on both sides of the building, also steps from the cellar to the outbuilding; and the cellar was reconcreted. The outside and division fences were painted three coats. At the new schoolhouse two enamelled iron sinks were set up, one on each floor, in corridor, with fittings. Four transoms were also set in the walls of passageway to each room, with rods, so as to be opened, as required, for ventilation. The total cost of the work was \$3,588.41.

On July 9, 1883, a contract was made with C. H. and A. F. Ireland for \$1,688.75 for rebuilding the outbuilding at the Hyde School. The old outbuilding contained a teachers' closet on each side, six seats on the girls' side, and seven seats and fourteen urinals (wooden) on the boys' side. The fire-escape or rear stairway, built some years ago, terminated on top of this building. In the alteration the old building was all cleared away, as the fire-escape had been built with posts running through the old building to piers below. The rear stairs were continued down to the first floor of the main building, with access from the two rooms on this floor, and outlets to the right and left into the school-yard. The cellarstairs were carried out under these new stairs, and a building similar to that at the old Prospect School built in the rear. This contains two sets of four slate urinals, and five closets on the boys' side, and seven closets on the girls' side. The form and arrangement of the building is such, that, if a new

schoolhouse is built on the rear of the lot facing Lincoln Street, this same outbuilding could be extended and connected to it. The soil-pipe from this building connects with a large stone cesspool arched with brick, 10 feet in diameter, and about the same depth on the north-west side of the building. Half-round enamelled iron basins were set later in each schoolroom, with fittings, and waste-pipes running to a cesspool on the south-east side of the building. As the draught from the various furnaces used for heating the building was insufficient, two 8-inch cast-iron chimneys were run from the cellar to and through the roof. These were connected with the two portable furnaces, and the change was attended with very excellent results. The total cost of the work was \$2,152.69.

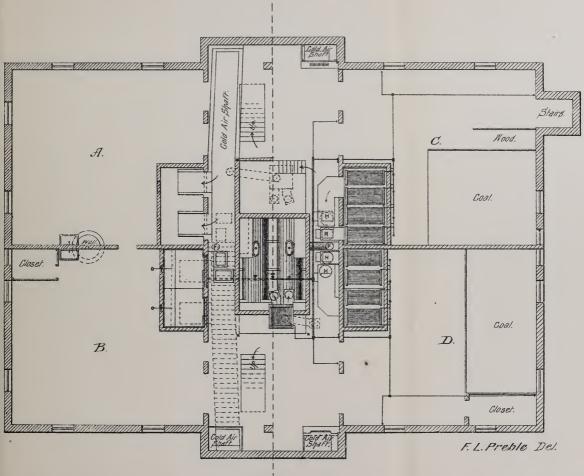
A contract was made with Isaac Smith and Daniel Hurley for \$1,430 for rebuilding the outbuilding at the Jackson schoolhouse. The old building, containing five seats on each side, and five urinals, extended back to the rear fence. building was removed, leaving only the old stairway leading from the cellar; and the new building was run across the back of the school-building, there being no windows in the main building on this side. The girls' and boys' accommodations are thus in separate buildings. The sectional form of the building is the same as a half-section of the new buildings at the Hyde and Prospect schools. It furnishes seven girls' closets, five boys' closets, and two sets of four slate urinals. A cesspool four feet in diameter, and six feet deep, was built in each front corner of the school lot, and connected, one to each end of the building. Ventilation-pipes and heater-chambers are arranged similar to those previously described, except that, the chamber being over the cellar-stairs, there is an 11inch main running either way, with 3-inch branches to the seats. A single-vent shaft is run up to the top of the main building, sheathed in, and terminated by a globe-ventilator. Enamelled iron basins, with fixtures, were set in each school-Cold-air chambers were built to supply each furnace, and the cold-air boxes repaired. A new floor was laid in

the cellar, and a new No. 8 Magee furnace with brick casing put in the place of one worn out. The total cost of the work was \$2,019.27.

On Aug. 23, 1883, a contract was made with Alfred Hopkins for \$748 for putting in water-heaters for the outbuildings of the Claffin, Hyde, Jackson, and Prospect schools. The apparatus consists of a cast-iron dome or coil set inside the furnace, and a circulation-pipe run to a coil in the outbuilding, with a 3-inch expansion-pipe run up through the roof, with a glass water-gauge. The supply from the housemain is connected to the return-pipe inside of the cellar. The coils are of 2-inch wrought-iron pipe of the following lengths: 95 lineal feet at old Prospect School, 72 lineal feet at new Prospect School, 99 lineal feet at Hyde School, 162 lineal feet at Classin School, and 106 lineal feet at Jackson School. All pipes exposed to the outer air in passages are boxed in. The contract calls for apparatus sufficient to heat the coils to 200°, the outside temperature being 20°. The total cost of the work was \$748.

On July 17, 1883, a contract was made with Richard J. Morrissey for \$875 for repairs and improvements at the stables of Steamer No. 1. The old stalls and floor were removed, also the attic-stairs. A new under floor was laid with tarred paper, and an upper floor of maple. The floorjoists were straightened and levelled, old ones replaced, and new posts set. Five new stalls were built with patent iron and maple floors, with iron gutters and railings; also a bedding-room with iron grating for drying and ventilating bedding. New attic stairs and closet were built, wash-bowl and urinal relocated, and connected to drain running from stalls and floor cesspools to a new cesspool built in the yard. A new harness-closet was built, and windows cut through on west side. A dust-shoot was built from attic to cellar for floor-sweepings, with double trap-doors to keep effluvia of cellar from the attic. A line of soil-pipe was run below foot of stalls, and set with Y-branches so as to catch the flow of the gutters when the floors were washed, but set far enough away

PLATE I.



PLAN

— Heating & Ventilating Apparatus, —

— BIGELOW SCHOOL, —

Ward 7, Newtone

30210 16 Foot to light.

Note. -

H. Hot air pipes. F. Smoke flues.

A. 4 Plan at and below Basement Floor level.

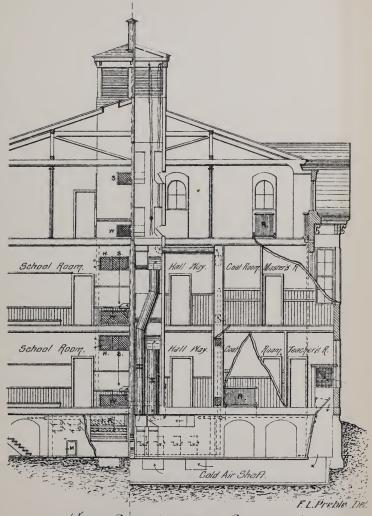
B.14 " a little above

C.14 " about 5/2 Ft. above "

D. 1/4 " just below Ceiling



PLATE II.



Showing Registers & Showing Shafts & Showing Redistors. Pipes.

Note.

S. Summer Ventilators.

W. Winter

H. Hot air pipes &c.

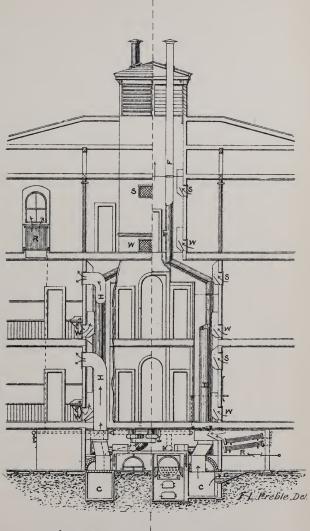
R. Radiators.

1.R. Indirect Radiators.

M. Manhole.
1. Cold air inlet.



PLATE III.



HALF SECTIONS ACROSS SHAFT. Through Hot Air Pipes. Thru Scale 16 Feet to 1 inch. Through Ventilation Pipes.

Note.

C. Cold air shafts.

R. Radiators.

H. tiot air pipes. W. Winter Ventilators.

S. Summer "

F. Smoke Flues.



to allow ordinary drippings to fall on the manure-heap, thus keeping the floor-washings from the cellar. The total cost of the work was \$1,041.20.

On July 17, 1883, a contract was made with C. H. and A. F. Ireland for \$2,579 for the carpentry work, and with George K. Paul & Co. for \$6,335 for steam-heating and ventilating the Bigelow school-building. The four old furnaces were removed, also the two chimneys connected with them, and the partition-wall across the middle portion of the cellar. Two cold-air channels were excavated across the cellar, 4 feet below the cellar-floor, 4 feet wide in the clear, and lined with concrete from 4 to 6 inches thick.

The material being shaly rock in sloping strata, it was necessary, where the excavation neared the brick piers of the retaining-walls across the cellar, to carry these piers down in brick-work to the bottom of the excavation, first taking off the pressure of the building by cross-timbers run through the old piers. The cold-air channels were bricked over on cast-iron \(_\perp \)-beams at a level with the cellar-floor. At each end a wooden shaft was run up to the first floor to form an air-inlet, having two windows to each inlet covered by wire cloth. A swinging wooden flap was hung in the corner of each inlet, so as to shut off one or the other inlet by the effect of the wind, and to prevent its blowing through the two windows without striking down into the channel.

The cellar, between the cold-air channels, was excavated from 3 to 5 feet in depth for the boilers and fire-pit, and lined with concrete and brick-work along the sides of the cold-air channels. Four brick heating-chambers were built to the full height of the cellar, with cast-iron cleaning-out doors, and connected by channels with the cold-air channels. A ventilation-shaft was run up through the old coatrooms, where the brick chimneys were removed on each side of the building, 3 by 10 feet, and connected on third floor into one single shaft 10 by 10 feet, which projects 6 feet above the ridge of the roof, with movable blinds on each side. A passageway was built on the first and second

floors, between the front and rear hallways, with doors removed. Coat-rooms were built on each side, opening into each hallway with swinging doors. A room for a teachers' water-closet was built over the entrance to the cold-air channel, on the second floor, in one of the old teachers' clothes-closets. A master's room was partitioned off from one of the large coat-rooms. No fixtures were set in the teachers' water-closet. Cast-iron enamelled basins, with faucets, were also set in each schoolroom, trapped and ventilated, and waste-pipe run to cesspool. All the above work was included in the contract with C. H. and A. F. Ireland.

The contractors for the heating and ventilating sublet the galvanized-iron work on the flues, etc., to Moses Pond & Co. The heating-apparatus consists of two steel boilers 42 inches by 14 feet, with thirty-eight 3-inch tubes in each, set in brickwork, with all the necessary valves and fixtures, and Peerless damper-regulators. In the heating-chambers, which are lined in galvanized iron, and each divided into two sections corresponding to each schoolroom, are set stacks of 1-inch wroughtiron pipe-coils 8 feet long, giving 403 to 433 square feet of heating-surface for each room. These stacks are each divided into four sections, with independent valves; so that onequarter, one-half, three-quarters, or the whole surface may be heated as required. A vertical-tube radiator of 50 square feet surface is set in each hall on first floor. Eight double-row radiators of 80 square feet surface are set in the large hall in the recess of the windows, with closed foot and a cold-air inlet from the outside. An indirect pipe-radiator of 100 square feet surface is set under each lower hall in a galvanized-iron box with registers on first floor, to be used as footwarmers. The cold air is brought to these from the cold-air channels by galvanized-iron pipes. The main steam-pipe is 6 inch from the 8-inch drum on the boilers until it is branched to the radiators. Valves are set so that all the heating can be regulated from the cellar, but each direct radiator has also valves to be worked from the rooms. the return-pipes are brought together with the blow-off pipes

















from the boilers, and run to the old well situated in the cellar.

The ventilating-shafts are tin-lined throughout: each contains a 16-inch cast-iron smoke-flue set on a brick pier in the cellar, and connected to the furnaces by wrought-iron pipe. All the hot-air flues from the heating-chambers are brought up inside of the ventilating-shaft, and enter the rooms 8 feet above the floor. At the bottom of each is a box with a branch from the cold-air channel, with movable hinged valves which can be opened from the schoolroom, thus tempering the hot-air delivered in the room. This valve closes the hot-air connection as it opens the cold-air connection; so that in summer it will deliver cool air which has passed under the cellar through the cold-air channels.

Each room has two openings into the vent-shaft for ventilation, — one at the top, 8 feet from the floor, for summer ventilation; and one at the floor-level, for winter, when the hot air is coming in above. The openings are closed by board valves worked by a cord and catch. In the upper hall there are three upper and three lower ventilation-openings. is also a door, giving access to the vent-shaft, where there is a space for setting a small stove to create a draught in the shaft during hot weather. All the openings in the shaft have a galvanized-iron hood, to give an upward current to the air, and to obviate any entrance of air from the lower rooms into the upper rooms. The coat-rooms are ventilated by 12-inch square flues built in the corner of the room, connected at the top with the vent-shaft, and heated by a line of 1-inch pipe run up from boiler and returned. All main steam-pipes in cellar are covered with hair felting and duck. Wherever pipes pass through the walls, they are set in a sleeve.

It is thought that one boiler will be sufficient, except in the very severest weather. According to the outer temperature, the supply of heat can be regulated by the sectionvalves in the cellar, and also by the cold-air valve, which is regulated by the teacher, from the schoolroom. In winter the upper-vent register would be closed: otherwise the hot air, which comes in by the side of it, would be drawn into the shaft before heating the room. The total cost of the work was \$9,091.62.

PARKS.

JOINT STANDING COMMITTEE ON PARKS.

ALDERMAN JOHN Q. HENRY, Chairman.

ALDERMAN DAVID T. BUNKER. ALDERMAN J. WESLEY KIMBALL.

COUNCILMAN WILLIAM B. YOUNG.

COUNCILMAN JAMES H. NICKERSON.

COUNCILMAN WILLARD G. BRACKETT.

COUNCILMAN WILLIAM PIERCE.



PARKS.

The laying-out of the park in Ward Seven, known as Farlow Park, early engaged the attention of the Joint Standing Committee on Parks. Surveys and an outline plan of the park were made. The park contains about $3\frac{76}{100}$ acres, and is bounded by Vernon, Eldridge, and Church Streets, and lands of heirs of J. A. Cleaveland, and of John C. Chaffin.

Two plans were submitted to the committee for laying out the grounds, — one drawn by George F. Meacham, architect, contemplating grading with a very irregular surface, the construction of winding and covered paths, rockeries, cascades, ponds, and a playground containing about 32,500 square feet; the second, designed by George M. Shinn, architect, had principally in view the laying-out for athletic sports. A playground elliptical in shape, containing about 61,500 square feet, occupied the central portion of the grounds: this was surrounded by a bicycle-path 12 feet wide. It was proposed to lay out the rest of the park with but a few paths leading from street to street.

A modification of these two plans drawn by Mr. Meacham was finally adopted by the committee. It contemplates the construction of a playground elliptical in shape, containing about 49,000 square feet, extending from near the corner of Church and Eldridge Streets, diagonally across the grounds. It also contains the features of Mr. Meacham's original plan; but by special vote of the committee these features have only been partially executed.

Mr. Meacham also submitted several designs for a stone-curbing, or fence, around the park. The plan accepted consisted of a granite rail 20 inches deep and 8 inches wide, with a split face and top, and a marginal line $1\frac{1}{2}$ inches wide around the face and top. Between each rail is set a stone post dressed 12 inches square, with split faces, and a $1\frac{1}{2}$ -inch marginal line. The posts are square for 6 inches above the rail, and end in a pyramidal top 3 inches in height. The contract was awarded to Alexander McDonald of Cambridge for furnishing the curbing at \$1.20 per running foot, including the posts. The grading of the paths and grounds, and the setting of the curbing, were performed under the direction of this department.

Surveys and plans were made, and titles examined, of the tract of land between Cabot, Blake, Mill, Hull, Highland, Valentine, Homer, Walnut, Beacon, Pleasant, Morton, and Cedar Streets, and through the Colby, Edmands, and Shannon estates to Cabot Street. The tract contains about 375 acres, and comprises 50 estates. Hearings were attended, appraisement schedules made, descriptions of the various propositions and calculations of the areas made for the proposed Central Park. The numerous changes in the limits of the proposed park, requiring the lines located for each, represent a large amount of work for which no results have apparently been attained.

The northerly shore of Crystal Lake, Ward Six, being in a ragged and unsightly condition, the attention of the City Council was called to it by the Newton Centre Improvement Society; and an appropriation of \$600 for widening the street to its full width was made from the general appropriation for highway widenings and improvements, and another appropriation of \$500 was made from the general appropriation for parks. The sum of \$550.01 was subscribed and paid by the Newton Centre Improvement Society, and citizens living in the immediate vicinity, for its further improvement. A granite-capped wall about 1 foot high above high-water mark was built in the lake from 15 to 20 feet from the

street line: a gravel-path was made just inside of the wall, and the balance of the space between it and the street graded and sodded. A light iron fence was erected on the street line. The total cost of the work was \$1,637.69.



HEALTH DEPARTMENT.

BOARD OF HEALTH.

ALDERMAN JAMES R. DEANE, President.

ALDERMAN HENRY E. COBB. ALDERMAN J. WESLEY KIMBALL.

ALDERMAN ELIJAH W. WOOD. ALDERMAN DAVID T. BUNKER.

ALDERMAN DWIGHT CHESTER. ALDERMAN JOHN Q. HENRY.

EXECUTIVE OFFICERS.

NATHAN MOSMAN, Agent.

ALBERT F. NOYES (City Engineer), Inspector of Plumbing.



BOARD OF HEALTH.

As directed by special order of the Board of Health, the inspection of all plumbing-work, so far as it came to our notice, was continued through most of the year. Finding the rules of the Board were too incomplete to give the best results, their revision early engaged the attention of this department. A new set of rules were carefully prepared (adapted as far as possible to our special conditions, and the best practice of the day), and criticisms of the same by some of our best sanitarians were invited.

While the action of the Board of Health in this matter has worked a radical change for the better in the character and design of the work performed, there is still considerable reluctance in complying with that portion of Rule 17, relating to the filing of plans and specifications, and the giving of notice when the work is ready for inspection. While this may seem a hardship, and unnecessary to some, it is of the highest importance to the inspector. The knowledge of just what work is intended to be performed prevents numerous visits which would otherwise be necessary; it also prevents a wrong conception of the rules, and has in many cases saved considerable unnecessary work. It requires, further, a more careful study or laying-out of the work than is usually or would otherwise be given before commencing the work.

For the most part, I have found the general desire is to do good work; but the contracts are not always drawn in full

compliance with the rules of the Board, and in such cases I find a reluctance to do more than the contract calls for. Such a condition of circumstances has a tendency to divide the responsibility between the plumber and the owner.

In order to get the best results, I am convinced that each plumber performing work in the city of Newton should be licensed, and held strictly accountable for the work performed. This is now done in many cities, and is attended with admirable results. I would therefore recommend that the necessary steps be taken, empowering the Board of Health to make such rules as may be necessary for the examination and licensing of such plumbers as may pass said examination and properly qualify.

SEWERAGE.

In accordance with the recommendations of his Honor Mayor Ellison, a Joint Special Committee on Sewerage was appointed to consider the question of the construction of sewers in the city. The committee appointed consisted of Alderman Dwight Chester, chairman; Alderman Elijah W. Wood; Councilman William B. Young; Councilman Eben Thompson; Councilman Henry A. Thorndike.

Several consultations were held in regard to the question of a sewerage system adapted to this city; various works were examined with his Honor Mayor Ellison, and the chairman, Alderman Chester; and the committee reported, recommending a more careful study of the question in general, with special reference to the economic adaptability of the separate system to our city.

ACKNOWLEDGMENTS.

In closing, I would respectfully tender my acknowledgments to his Honor Mayor Ellison, the Water Board, and the various committees of the City Council under and for whom the services of this department have been rendered; to the various heads of departments for courtesies shown,

and to the assistants in this department for their hearty co-operation in every undertaking; to William E. Worthen of New York, consulting engineer, A. Fteley, principal assistant city engineer of Boston, and to Hon. Nathaniel Wheeler of Bridgeport, Conn., for their warm interest in the results of the various works under my direction, and their valuable suggestions in its execution.

Respectfully submitted.

ALBERT F. NOYES, City Engineer.

16× 8353



















